

Once a Guest, Forever a Friend

The TUM Research Alumni



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The TUM Research Alumni



*“We at TUM seek to invest in individuals with the **passion** to develop their talents, the **freedom** to transcend the boundaries between scientific disciplines and the **courage** to create new connections in knowledge and technology. Such are our research alumni. Without them TUM would not be the place that it is today.”*

Wolfgang A. Herrmann
President

We thank our partners



Ideas Competition „Research Alumni of German Universities“

The ideas competition “Research Alumni of German Universities” was launched in 2011. It is part of the collaborative project “International Research Marketing”, which is a joint initiative by the Alexander von Humboldt Foundation (AvH), the German Academic Exchange Service (DAAD), the Deutsche Forschungsgemeinschaft (DFG) and the Fraunhofer-Gesellschaft. In 2012 the Technische Universität München was one of the award winners of the ideas competition.

www.research-alumni.de



Alexander von Humboldt Foundation

Founded in 1953, the Alexander von Humboldt Foundation (AvH) supports science cooperation between outstanding researchers from Germany and abroad. Building on decades of experience in alumni networks and relations, in the last few years the AvH has focused on promoting research alumni activities at universities in Germany.

www.humboldt-foundation.de



Bund der Freunde der TUM e.V.

The Bund der Freunde of TUM (BdF), founded in 1922, is the traditional association of sponsors and friends of the Technische Universität München. Its main goals are the promotion of junior scientists, the support of international cooperation and of alumni relations of the university.

www.bund-der-freunde-tum.de

This brochure is dedicated to

our Research Alumni and their Hosts.

Their synergy is at the core of TUM's pursuit of excellence through innovation. Thanks to their collaboration, our university lives up to the highest standards in research internationally. The quality of their cooperation adds to the overall value of our university, contributing to its reputation worldwide.

My special thanks go to the Alexander von Humboldt Foundation for supporting our long-term work with research alumni and for showing us and other universities in Germany the importance of cultivating active networks of knowledge for the global future of science.



Wolfgang A. Herrmann
President

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Greeting

Dear research alumni of the Technische Universität München,

As President of the Alexander von Humboldt Foundation, it is my pleasure to address you in the context of this brochure and to express my pride and joy that you have chosen to be “once a guest, always a friend” – primarily of the Technische Universität München, but, I would like to add, also of Germany as a whole.

Most of you know the Alexander von Humboldt Foundation as an organization that has promoted international scientific collaborations by granting fellowships and awards for the last six decades. Every year, the Alexander von Humboldt Foundation enables more than 2,000 researchers from all over the world to spend time researching in Germany. The Foundation maintains a network of well over 26,000 Humboldtians from all disciplines in more than 130 countries worldwide – including 50 Nobel Prize winners. Presently, 24 Humboldtians are carrying out research stays at the Technische Universität München.

With this as a background, we have taken on the additional task of supporting research alumni work at German universities: We see tremendous untapped potential in this field and are convinced that the Alexander von Humboldt Foundation can make a contribution towards further establishing research alumni work in Germany. It is our belief that alumni relations are a long-term project that needs to happen at various levels – you can be alumni of more than one organization.

Supported by the German Federal Ministry of Education and Research under the frame of the initiative “International Research Marketing”, the Alexander von Humboldt Foundation has launched several competitions inviting universities and research institutions in Germany to develop strategies for reaching out to their research alumni. The Technische Universität München is among the winning institutions. I am glad to see that through our initiative we have been able to support the Technische Universität München in taking their research alumni work to yet another level.

Alumni relations are successful if you create win-win-situations for internationally active scientists and scholars in an atmosphere of trust: The researchers presented in this brochure are ample proof of this. Alumni relations need to be prepared from the moment a researcher enters Germany and ideally experiences what we like to call a “culture of welcome”. The situation has improved in this regard, but is still far from ideal. As Alexander von Humboldt Foundation we actively strive to establish such a “culture of welcome” through activities like the “Award for the Friendliest Immigration Office”, the competition “Welcome Centres” and our current work on “Research Alumni Strategies”. Whether you choose to actually remain in touch as alumni after your stay has ended will depend to a high degree on what your experiences were during your stay in Germany.

We hope that you will be able to continue your successful collaborations – and that you as research alumni will take on the job of inspiring a next generation of scientists and scholars to consider Germany as a place for excellent research.

A handwritten signature in black ink, reading "Helmut Schmalz". The script is fluid and cursive, with the first letter 'H' being particularly large and stylized.

President of the Alexander von Humboldt Foundation



Introduction

Having a lively university community with students, researchers and alumni is one of the basic assets of a modern educational institution nowadays. The university is a network, its members are its knots and hubs. If we imagine the university as a building, alumni can be seen as the windows that connect this building to the outside world.

Networks are neither single places nor fixed structures, but systems of relations. They are mobile and constantly changing. They are quintessentially dynamic, and depend on interaction for survival. Often they are not even visible, they 'fill in' the gaps between existing institutional structures and thus enable their dynamic development through 'soft' human factors.

*“Research
alumni are
part of our
TUM family.”*

This is how we at TUM understand and live our university network, bringing together the TUM family across professional fields and scientific disciplines, national borders and age groups. And, in particular, this is how we understand the role of our research alumni, former guest scientists of our university. They are no longer physically present at TUM, yet they are still part of the TUM family.

A host university is like a 'home', a second 'alma mater' for a guest researcher – at least for the duration of her or his stay. Every university or research institution where a researcher has worked is part of her/his academic profile. It is the goal of TUM to continue to be part of their research alumni's biography in the form of an active, vital lifelong partner.

The importance of research alumni

During the course of the past few years, TUM has consistently worked at creating a strong alumni culture, in a way that has few parallels in the German university landscape. For an entrepreneurial university such as ours, alumni are essential 'transmission channels' between the intellectual advancements achieved within its walls and their practical implementation in the outside world. In addition, TUM has pursued an overarching internationalization strategy over the last decade, leading to excellent results in terms of exchange agreements, research collaborations and resultant outputs. Our university stands today as an extremely dynamic, tightly networked institution, no less attractive for many top-level scientists than its competitors in other excellent institutions around the world.

We want this trend to continue, and we want to expand relations with our international partners even further. Visiting scientists are at the core of TUM's pursuit of excellence through innovation. Once they have left our university, they become major partners in the global research market and knowledge network in their role as research alumni. For this reason, our university is determined to stay in touch with them after their time in Munich.

Staying in contact

Good ideas need to stand the reality test and go along with current trends. Increasing mobility is one of these trends, and an indisputable fact in science today. This trend brings some important changes in the relationship between researchers and research institutions. Scientists today have multiple affiliations, and work on an intermediary level *between* networks of institutions. The strength of a university must be to use this potential offered by its far-reaching contacts to its scientists both past and present for its own knowledge network. A good university today not only needs to hire the best as permanent staff, but also to

“A good university today needs to attract outstanding scientists from abroad.”

attract outstanding scientists from abroad for a longer guest residency and to cultivate long-lasting relationships with them after they leave.

For this reason, we encourage every researcher who has been at TUM in the past – whether as a visitor or on the permanent staff, as a PhD student or senior professor – to take part in our network, share knowledge with its members and maintain contact with our university. Besides, we invite our research alumni to get informed about current developments at our university and explore what it has to offer them and other researchers they may know. Indeed, TUM has undergone many innovative changes in the last years, which are potentially of great interest for our partners abroad. A research collaboration or visit sometime in the past should therefore not be seen as a closed chapter, but rather as the precondition for easily resuming contact and maybe initiating new collaborations.

Offers for international guests

Maintaining good relations with research alumni is merely the continuation of the good relationship established during their guest stay. For this reason, we strive to provide our visiting scientists with the very best conditions – not only on a research level, but also in terms of preparation and support for their life in Munich. In the first part of this brochure we have accordingly listed a selection of offers for international scientists at our university. The Welcome Center and the Dual Career Office are just two examples of this. That the guest researchers' relationship with TUM does not end with their guest stay, however, is testified by the "Mentoring for Scientists" program, connecting research alumni abroad with young researchers at TUM. This international pact of generations best represents our understanding of the TUM Network.

“We strive to provide our visiting scientists with the very best conditions.”

Of course, there is much more at TUM for scientists than what readers will find in the following pages. It would be a daunting enterprise to list the offers, opportunities and developments at the level of faculties, departments, institutes, laboratories, clusters – all of which contribute to the unique all-round profile of our university. The offers listed in the following pages are intended to give a representative overview of the institutional framework that contributes towards making a research stay at our university a pleasant, productive and successful experience. That this is the case for most of our international researchers is backed up by the number of flattering statements made by our research alumni about their sojourn and the impressions they gained at TUM, as quoted in the profiles section of this brochure.

The TUM research alumni network

The researchers portrayed in this brochure have been the first ones to accept our invitation to build up a research alumni group as part of our TUM network. Without them and the other guest researchers who have visited us in the past, TUM would not be the place that it is today. We at TUM invest in individuals with the passion to develop their talents, the freedom to transcend the boundaries between scientific disciplines and the courage to create new connections in knowledge and technology. The TUM Institute for Advanced Study, our fellow-driven center of excellence, demonstrates this in an exemplary manner.

Research alumni are also the best possible ‘ambassadors’ of TUM abroad. In recognition of this fact, on December 1, 2013, a selection of research alumni from our university were awarded the honorary title of “TUM Ambassador” - the very first time that this title has been conferred. The 12 researchers who received this award have distinguished themselves in the past not only through their outstanding research work, but also through the quality of their relationship to and collaboration with our institution. The “TUM Ambassador” award symbolically represents the role of all TUM research alumni worldwide.

We hope that more and more researchers will be attracted by our efforts, maintain and/or resume their contact to TUM and join our TUM Network. In this way, they would contribute to our culture of partnership beyond institutional and national borders.

Whether you are a recurrent visitor or a former guest from many years ago, keep a finger on the pulse of TUM, find out about the services and opportunities it offers and make contact with our university and its network members.

Welcome (back) to TUM!



Wolfgang A. Herrmann
President

“Research alumni are the best possible ambassadors of TUM abroad.”

Welcome to TUM: Offers for Scientists



Your Stay at TUM: Our Support for You

TUM offers excellent working conditions to visiting researchers from around the world. Our service-oriented offices provide a whole range of services to you, our international guests – researchers, professors, lecturers, PhD students and postdocs. This is meant to help you pursue your talents and passions by allowing you to focus on the important things and enabling you to research unhindered and intensively. Whether it is an application for research funding, the clarification of legal aspects with regards to research projects, or support in finding childcare, the administrators in the various offices will support you in the most committed and competent way. In the following chapter we have listed a selection of these offers for our international scientists.

Further information on all services of TUM for scientists is to be found on the internet:

► Welcome to TUM!

For a comprehensive overview of all offers available to visiting researchers:
www.researcher.international.tum.de/en



► Guide to Services for Scientists

The following link will take you to the “Guide to Services for Scientists” containing important information on research funding, junior scientist programs and various TUM services for researchers, which you can download as a PDF: www.alumni.tum.de/en/research-alumni





TUM Faculty Tenure Track

Contact

Recruiting Office

Email: braeunig@zv.tum.de

Phone: +49.89.289.22261

Address:

Arcisstr. 21/I

80333 München

The TUM Faculty Tenure Track offers promising young scientists from around the world attractive career perspectives: Highly qualified candidates are initially appointed as assistant professors (W2) with prospects for performance-based advancement to a permanent professorship (associate professor, W3) within a few years. With further research achievements at the highest international level, this path can finally lead to promotion to a chair position (full professor). TUM plans to create 100 new tenure track professorships by 2020. This groundbreaking recruiting system aims at lowering the average age of first appointments, promoting young scientists' early independence and self-reliance, and increasing the proportion of female professors in our university. With the introduction of this new career model a short time ago, TUM has brought a paradigm shift in recruiting and career policies in the German university landscape.

Research alumni are the best partners for the promotion of this new recruiting tool within their institutions and environments, and can act as talent scouts for suited TUM Tenure Track candidates.

Further information:

www.tum.de/die-tum/arbeiten-an-der-tum/tum-faculty-tenure-track



TUM.Family Welcome Center

The Welcome Center assists international researchers, professors, lecturers and postdocs with relocation and integration at TUM and in the Munich area. The center provides advice and support on such practical issues as visa and residence permit, insurance and taxes, housing and house-hunting. Social integration is facilitated by welcome events, a cultural program and a Spouse Service with regular gatherings and excursions for international researchers, their spouses or life partners, families and friends. The close connection to the colleagues in charge of “Family Services” ensures professional advice regarding child care options and schooling for accompanying kids.

The Welcome Center is the main door to life at TUM and in the Munich area for all visiting scientists and their families, and accompanies their stay with all-round services and an array of recreational offers.

Further information:

www.researcher.international.tum.de/en

Contact

*TUM.Family Welcome Center
for International Researchers*

Email: heinzmannk@zv.tum.de

Phone: +49.89.289.22266

Address:

*Augustenstr. 46
80333 München*

Mailing Address:

*Arcisstr. 21
80333 München*



TUM ForTe & TUM Talent Factory

Contact

*TUM ForTe - Office for Research
and Innovation*

Email: forte@zv.tum.de

Phone: +49.89.289.25245

*TUM Talent Factory - point of
contact for young researchers
(Dr. Christiane Haupt)*

Email: haupt@zv.tum.de

Phone: +49.89.289.25235

Address:

Arcisstr. 21

80333 München

TUM ForTe is the Office for Research and Innovation at TUM. It advises researchers on issues related to patenting and marketing of their research findings. Furthermore it informs and practically supports scientists in raising third party funding at both the national and international level. As part of ForTe, the TUM Talent Factory functions as the contact point for junior researchers at TUM. It supports research associates, graduates admitted for habilitation and junior research leaders in Germany and abroad during the advancement of their career at TUM. In this way, the provided services accommodate all stages of a postdoctoral career. Twice a year, TUM Talent Factory furthermore organizes the “Research Opportunities Week”. Up to 50 postdocs from around the world are selected to take part in this fully financed program, which allows them to get to know staff and explore research facilities at TUM for a whole week. The most promising participants are offered a TUM University Foundation Fellowship to spend one year as a postdoc at TUM.

TUM particularly welcomes applications for the “Research Opportunities Week” from postdoctoral researchers recommended by research alumni.

Further information:

www.forte.tum.de/en/tum-forte-home

www.tum.de/en/research/postdocs/research-opportunities-week



TUM Graduate School

The TUM Graduate School (TUM-GS) is the all-encompassing organizational body for doctoral research at TUM. From 2014 all new doctoral candidates are automatically members of the TUM Graduate School and will fulfill a minimum membership requirement of 2 years in the TUM-GS and a basic qualification program. Together with its Faculty Graduate Centers and interdisciplinary hematic Graduate Centers the TUM Graduate School supports doctoral candidates in their research work. In collaboration with institutions of the TUM, the TUM-GS ensures the high quality of doctoral projects and promote transferable skills which are becoming increasingly important. In this way the TUM Graduate School provides its doctoral candidates with the best preparation for leading positions in science, industry and society. Through structural elements regulated in the supervision agreement, a tailor-made qualification program, individual mentoring, international research phase, subject-related consultation as well as gender and diversity services, the TUM Graduate School adds value to every doctoral project and assists the doctoral candidates in successfully completing their doctoral degree in good time.

TUM particularly welcomes applications from young researchers recommended by research alumni.

Further information: www.gs.tum.de/en

Contact

TUM Graduate School

Email: info@gs.tum.de

Phone: +49.89.289.10600

Address:

*Boltzmannstr. 1
85748 Garching*





TUM Institute for Advanced Study

Contact

TUM Institute for Advanced Study

Email: hofmanns@zv.tum.de

Phone: +49.89.289.10550

Address:

Lichtenbergstr. 2a

85748 Garching

The central goal of the TUM Institute for Advanced Study (TUM-IAS) is to establish new fields of excellence in scientific and technological research at TUM. In particular, TUM-IAS has a special interest in innovative, “high-risk, high-reward” topics. It aims at creating an optimal research environment at TUM in which new ideas can flourish without being hindered by administrative burdens. TUM-IAS’ strategy is to enable not only selected guest scientists (from both academia and industry) but also our best faculty members to conduct top-level research, while offering early-career scientists the chance to develop their talents in an inspiring environment fostered by outstanding senior scientists. The main program at TUM-IAS is the Fellowship program: Fellows at different career stages are given the possibility to devote their time to innovative and interdisciplinary research projects in nascent areas of science that promise major scientific breakthroughs.

TUM encourages research alumni and potential candidates meeting the TUM-IAS requirements to apply for the fellowships.

Further information:

www.tum-ias.de





Munich Dual Career Office

The Munich Dual Career Office (MDCO) focuses on the life partners of top-level scientists of the Technische Universität München and of the participating network partners. It provides a comprehensive palette of professionally supplied services. The MDCO supports Dual Career Partners to establish a professional network, develop strategies together to look for career opportunities and provide assistance during the job application procedure.

Beyond that, the MDCO offers competent advice on issues such as relocation, public authorities, access to further education, language courses as well as on cultural and social opportunities.

Further information:

www.dualcareer.tum.de/en/mdco-home

Contact

Munich Dual Career Office

Email: dualcareer@zv.tum.de

Phone: +49.89.289.25233

Address:

*Augustenstr. 46
80333 München*

Mailing Address:

*Arcisstr. 21
80333 München*



Staying in Contact:

The TUM Network for Research Alumni



TUM. Your Network. For a Lifetime.

From the very first day at our university the international researchers are a constitutive part of the TUM family and they remain as alumni an important asset for the network of our university. The TUM Network thrives on the lively exchange between disciplines and generations, enabling alumni and members of the university to come into contact and stay in touch across regions and professions. More than 50.000 alumni in 134 countries have registered up to now. For the research alumni the network functions both as contact point and place of interaction between them and current international researchers on the one hand, TUM as a whole on the other hand. The TUM offers all its alumni a wide range of services, some of which you find listed below. Here you can see everything at a glance: www.alumni.tum.de/en/research-alumni

► Alumni Magazine “KontakTUM” and TUM Science Magazine “Faszination Forschung”

All alumni can receive our biannual magazines by mail on request. Faszination Forschung is in English, the alumni magazine is bilingual (German/English) and also available as epub in a full English version: www.alumni.tum.de/en/epub

► Calendar of Events “Zurück zum Campus!”

The extensive program of events for our alumni: www.alumni.tum.de/en/events

► Email-Newsletters: “KontakTUM News” and the “Newsletter for your Career”

The first one gives an overview of upcoming events for international alumni, the second one informs about career services for the TUM network. Subscribe per email: alumni@tum.de

► Career Service

The Career Service provides information on job applications and career planning, organizes a program of career events (including online webinars), offers career advisory services (also available online as chat and electronic CV-check) and publishes the “Handbuch für Ihre Karriere” as well as a “Career Guide” in English. www.career.tum.de/en

► TUM Recruiting Portal

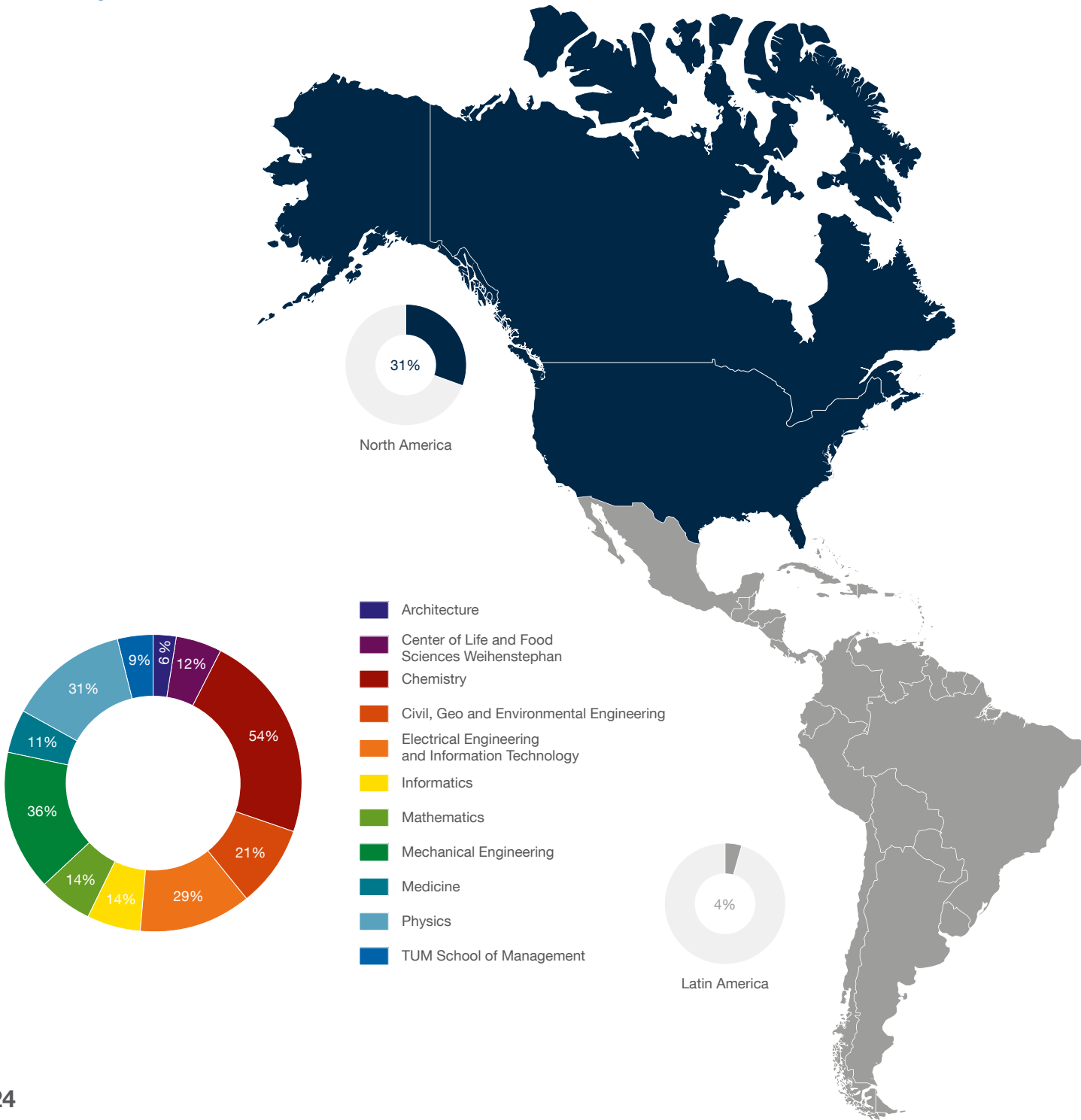
Here www.tum.de/en/jobs you will find current job openings at TUM. In addition, the recruiting portal www.tum.de/jobboerse offers about 2,500 job openings in companies and research institutions.

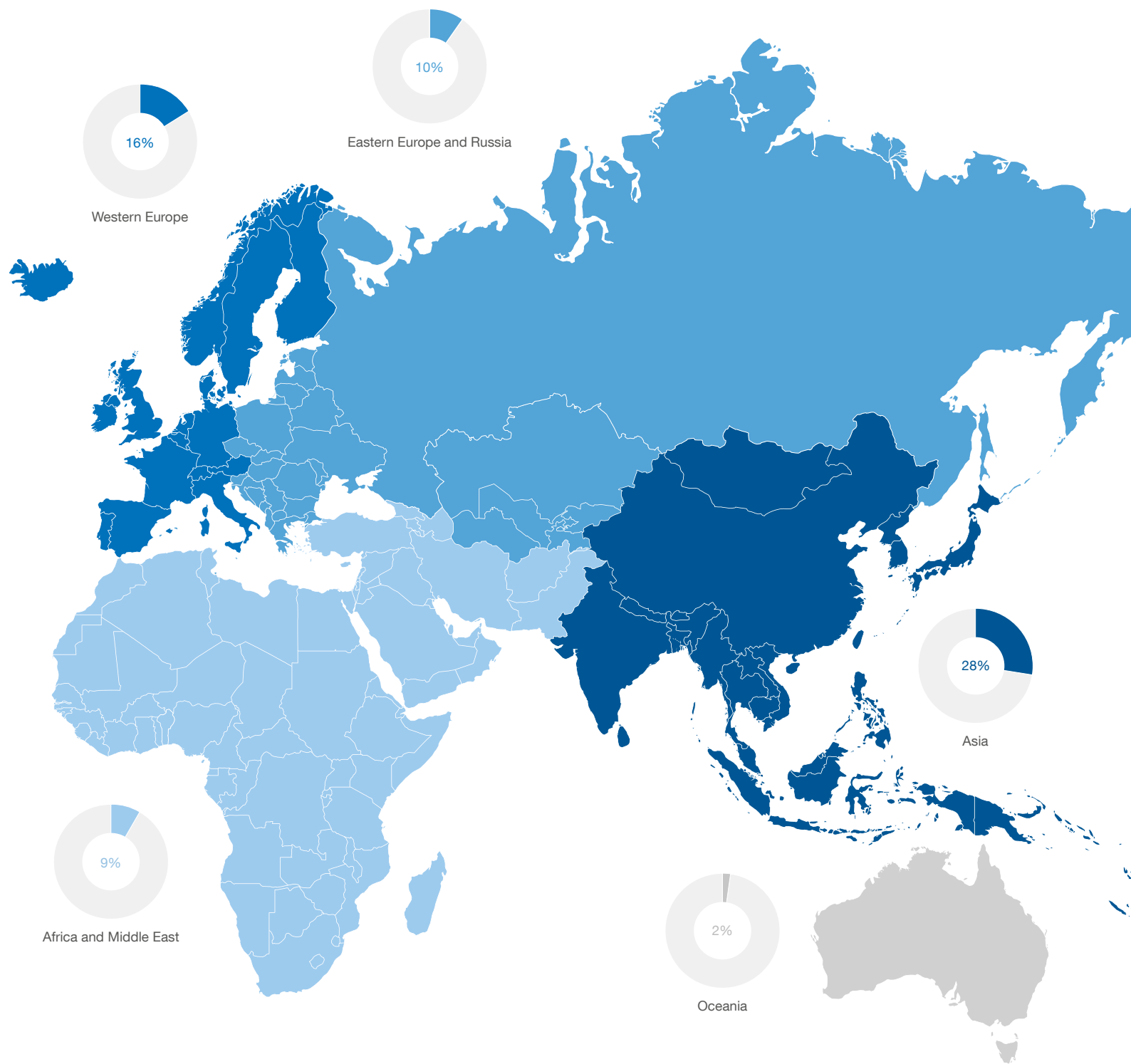
► Vivat TUM

Every year on the first weekend of Advent all alumni are invited to a concert in the Philharmonic Hall in Munich: www.alumni.tum.de/en/events/vivat-tum-concert

TUM Research Alumni Network

Percentage distribution of members per world regions and hosting faculties
(see page 58 ff.)





Special Offers for TUM Research Alumni

TUM invites all its former and current guest researchers to become part of the TUM Network and to join the community of TUM Research Alumni that was launched in 2013. Some of the network activities specifically conceived for research alumni and realized through their involvement are listed in this chapter. For a regularly updated overview, please go to: www.alumni.tum.de/en/research-alumni

The very first research alumni who joined the TUM Research Alumni during the last months are presented in the Research Alumni Gallery online and in this brochure. They come from all over the world and represent a broad spectrum of the research areas covered at TUM. Have a look, register online or contact us directly!

Alumni & Career

Email: alumni@tum.de

Phone: +49.89.289.22605

Address: Gabelsbergerstraße 39, 80333 München



► **Research Alumni Gallery**

Through the “TUM Research Alumni Gallery” guest researchers can create their own profile online and remain visible as an integral part of the TUM scientific community even after they leave our university. The profiles show the researchers’ current position, research interests, the dates of their research stay and the contact details of their TUM host. The forthcoming updated version of the gallery also lists the current research projects as well as the main awards, distinctions and fellowships acquired by our research alumni. In this way the research alumni will keep TUM and its members informed about their research work and career development, and become visible for other members of the network.

For more information: www.alumni.tum.de/en/research-alumni-gallery

► **News for Research Alumni**

Keeping our research alumni informed about what is happening at TUM is one of our foremost priorities. We keep our former international guests consistently updated about current developments and opportunities at our university. We provide research alumni at different stages of their career with targeted information by email about open positions, fellowships and grants, as well as research news and special offers for international scientists. By keeping in touch, the latter will get a direct line to TUM and be the first to know everything that is worth knowing and relevant for them.

TUM also regards its former guests as valuable ‘multipliers’ of information and as partners in talent scouting. ‘Senior’ research alumni are therefore particularly invited to spread the information provided by us in the spirit of cooperation with TUM for talent recruitment.

You can subscribe to the newsletter per email: alumni@tum.de

A close-up portrait of Christopher Stapleton, a man with light brown, wavy hair and a full, well-groomed reddish-brown beard and mustache. He is looking slightly off-camera to the left with a calm expression. He is wearing a dark-colored, possibly black, crew-neck shirt. The background is a soft, out-of-focus light gray.

*“I always
enjoy coming
back.”*

Christopher Stapleton
Research Affiliate, University
of Central Florida, and President,
Simiosys Real World Laboratory,
TUM Research Alumni and Mentor



Photo: © charnipat - Fotolia.com

TUM Science Club: Your Home at TUM and on TUMnet

International researchers visiting the TUM play an active part in shaping the TUM Science Club – regardless of whether they are still at TUM or have become alumni somewhere abroad. The Science Club has initiated several series of events, such as the panel discussion “Best Places for Researchers“, in which experienced international scientists discuss about differences and characteristics of academic systems, scientific institutions and national research policies around the globe. Top-level scientists from several research fields give a personal account of what prompted them to conduct research, to make discoveries and devise concepts and systems for a better future in the exclusive series: “Science Fiction: TUM Research Alumni Talk about their Visions for the Future”. In addition, the first “Research Alumni Forum” was held in 2013. On this occasion former guest researchers were invited back to TUM and had the opportunity to get in touch and interact with up-and-coming scientists of the university. This form of cooperation will be further pursued and consolidated through the involvement of selected research alumni in the forth-coming “TUM Postdoc Days” in July 2014.

For more information: www.alumni.tum.de/en/science-club

► The Research Alumni on TUMnet

The online networking platform TUMnet Community launched its test phase in March 2014. The TUMnet Community is a virtual social media platform on which institutions, interest lobbies and groups of alumni are represented. TUMnet reflects the ‘real’ community of people who are or have been at TUM, enabling them to get in touch, interact and collaborate ‘under the umbrella’ of our university. The virtual character of the platform is underpinned by the manifold actual contacts and connections that have developed at and around our university. The advantage of TUMnet as related to other social media is that it is tailor-made to the specific needs and wishes of TUM members and is accessible exclusively to them. Its users are moreover protected against the misuse of personal data, the overflow of information, contact requests and commercial advertising that they may experience elsewhere.

Research alumni may use TUMnet to communicate with each other as well as with other TUM members (students, scientists and alumni), to discuss specific topics within their fields of interest or to insert and access news items or tips on “What’s on”. The research alumni community on TUMnet profits from the various technical possibilities offered by this new social media platform: Decision-making, exchanging ideas, event planning or (just) live chatting, getting to know potential collaborators and friends are made easy within this user-friendly, secure space reserved for the members of our university.

For more information: www.alumni.tum.de/en/networking/tumnet

Take part: Mentoring for Scientists

The TUM Network thrives on the lively exchange between different generations. This is particularly true for researchers, and the Mentoring for Scientists program testifies to it. The latter arranges for research alumni and international guest scientists of TUM to advise young researchers of our university at the doctoral and post-doctoral level. Highly motivated Master's students who are interested in science can also take part in the program. Its focus is not so much on the research projects in the relevant sectors (although this might also be true in individual cases), but rather on science as a profession, especially on the broader implications of being a scientist in today's global society and economy and the importance of its international and interdisciplinary orientation. To open up international networks beyond the confines of the university and a specific field for the young scientists is one of the aims of this program.

The potential benefits for the mentees are therefore manifold. Getting in touch with experienced scientists from all around the world offers them the opportunity to make new contacts, discuss questions related to their personal and intellectual development and broaden their professional horizon. The mentors, however, also can profit considerably from the program, practising advisory skills and cultivating a lively relation with TUM and Germany by supporting a new generation of researchers. Both mentees and mentors build bridges internationally, expand their personal networks and benefit from both personal and cultural enrichment.

The mentoring works over long distances, on site in Munich, or as a combination of both, depending on the situation of the persons involved. Other mentoring combinations are also on offer alongside the core program. International researchers at all career levels who currently find themselves in Munich can apply as mentees and be put in touch with a Munich-based mentor from an appropriate area of industry and society. Research mentors, on the other hand, can also be involved in the program on a short-term basis as career advisors for junior researchers, for the purpose of knowledge exchange and support in personal decision-making.

For more information:

www.mentoring.tum.de/en/mentoring-for-scientists



Photo on the right: Mentor Amaresh Chakrabarti (Professor at the Centre for Product Design and Manufacturing of the Indian Institute of Science, Bangalore) together with Mentee Paul Bockelmann (PhD Candidate, Institute for Carbon Composites, Faculty of Mechanical Engineering, TUM).

“I get a lot of support from Professor Chakrabarti. This gives me a feeling about how to do science properly and helps me reflect on my own path as a researcher.”



Photo: TUM / Eckert

“What I saw and learned at TUM was extremely useful for my future research.”

Hisami Yamanaka-Okumura
Assistant Professor, University
of Tokushima, and TUM
Research Alumni



Partners of Preference and TUM Ambassadors

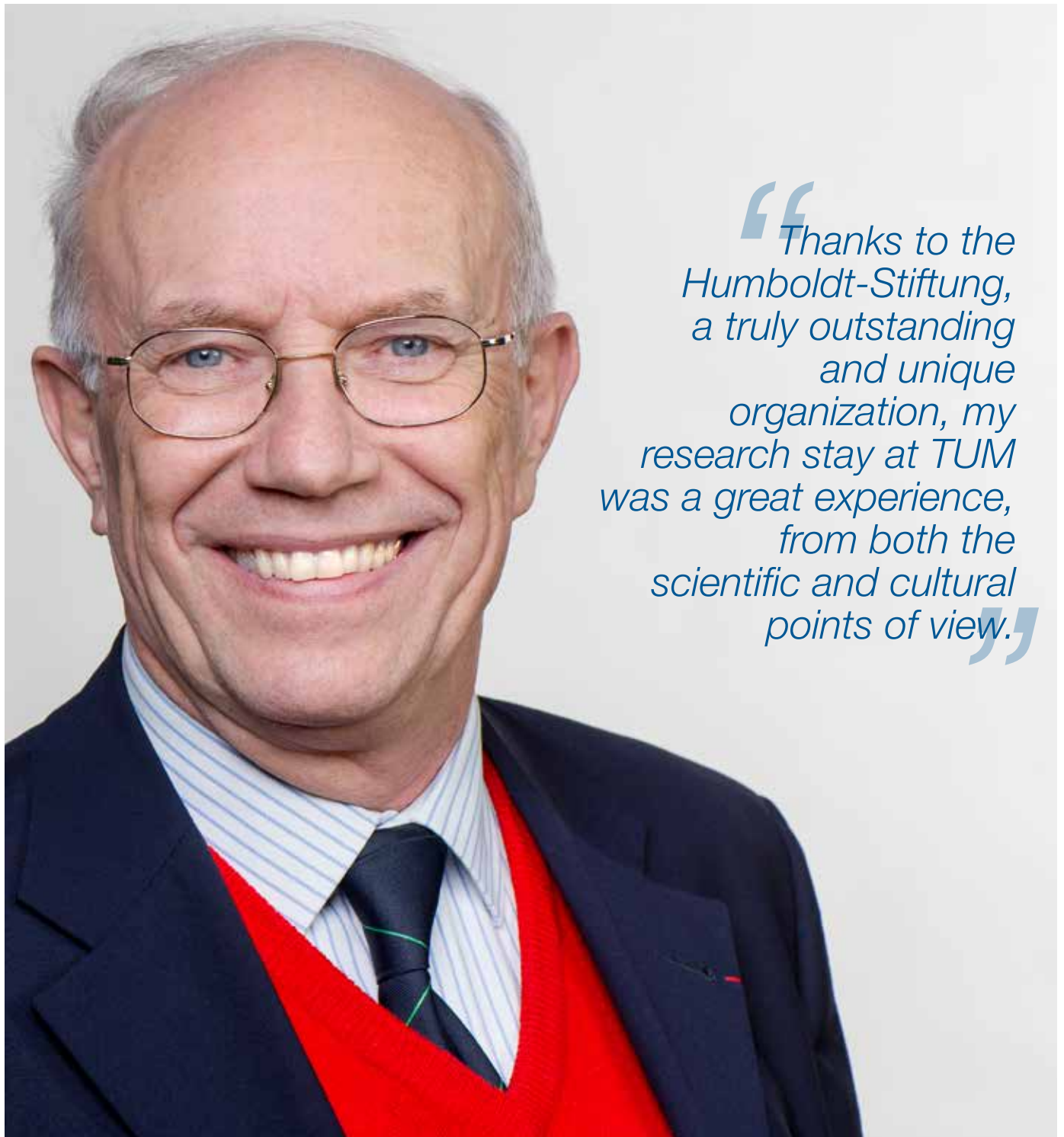
Research alumni willing to actively support TUM can become **Partners of Preference** of our university abroad. This involves acting as a contact person for TUM members (for instance visiting researchers) and research alumni in one's own country and/or institution for questions related to such topics as the local research/academic system, opportunities and possible collaborations, relocation and social integration. Partners of Preference are also encouraged to disseminate information about research developments and opportunities at TUM at the doctoral, postdoctoral and tenure-track level, getting support and material from TUM as requested. Finally, they also act as 'talent scouts' and advisors of potential candidates for research opportunities and openings at TUM.

A selection of research alumni with an excellent scientific curriculum, an interest in research policies and the willingness to cooperate with our institution is elected each year to be awarded the honorary title of **TUM Ambassador**. The awardees represent role models and act as promoters for our university abroad. The prestigious distinction was conferred for the very first time by the President of TUM during an official ceremony in the Philharmonic Hall of Munich on December 1, 2013 on the occasion of the "Vivat TUM" concert. This exclusive event, bringing together the TUM family of professors, freshmen, students, alumni and other members and friends of our university, takes place every year on the first Sunday in Advent to celebrate and to honor the alumni of our university. The 12 researchers who received the award 2013 have distinguished themselves in the past through their outstanding research work and the quality of their relationship to and collaboration with our institution.

During the 1st Research Alumni Forum of TUM "Once a Guest, Forever a Friend" the Ambassadors were engaged in intense discussions with the President and the Vice Presidents on such issues as research opportunities for young scientist, postdoctoral fellows and junior professors at TUM, the new TUM Faculty Tenure Track system, internationalization strategies, research cooperation programs as well as the manifold international networks in which the university is involved. Moreover, the Ambassadors met junior researchers at the doctoral and postdoctoral level to talk about challenges and opportunities of career paths in science. On the last evening they discussed their ideas on the impact of science on society in the first round of the public lecture series 'Science Fiction: TUM Research Ambassadors talk about their Visions for the Future'. The TUM Ambassadors were keen to support TUM's global network, spot talents worldwide and advise young TUM scientists as they make their way into the international arena. Whether as mentors in the Mentoring for Scientists program, advisors or contact points for TUM and its members in their countries and home institutions, the Ambassadors are the living proof of the lasting connection and productive cooperation that TUM entertains with its research alumni worldwide.

TUM Ambassadors: 12 Portraits





“Thanks to the Humboldt-Stiftung, a truly outstanding and unique organization, my research stay at TUM was a great experience, from both the scientific and cultural points of view.”



CNRS Research Director, University of Strasbourg-Center
nationalde la recherche scientifique (CNRS), Strasbourg, **France**

Stays at TUM

Oct. 1974 - Sept. 1975, Nov. 1988

Hosts

Prof. Dr. Ernst O. Fischer, Prof. Dr. Wolfgang A. Herrmann

Research Interests

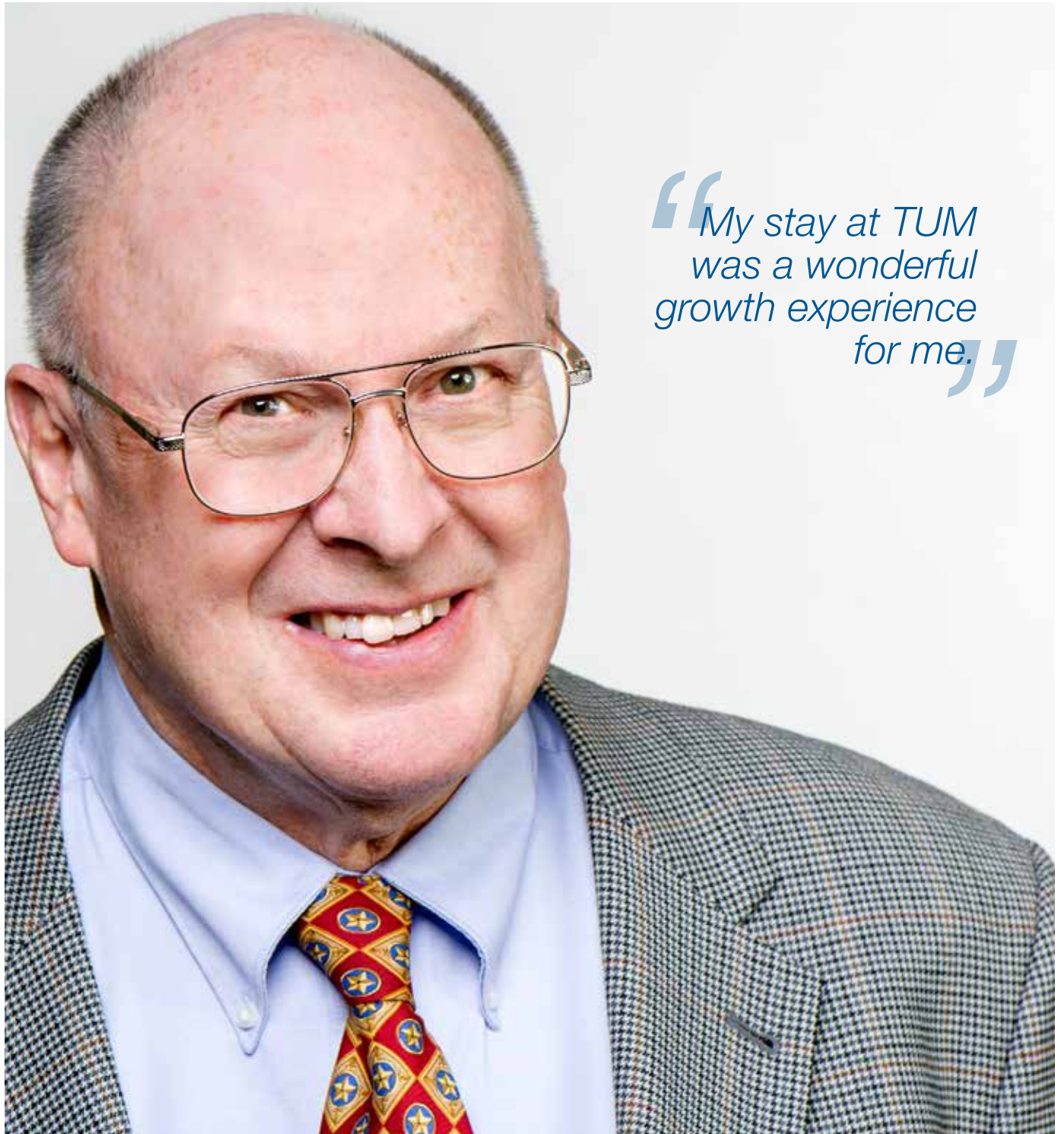
Fundamental and applied molecular chemistry, creation of new chemical bonds (metal-metal), of new complex molecules, elaboration of concepts rationalizing structure reactivity relationships and applications in homogeneous catalysis, nanomaterials from molecular precursors and applications in heterogeneous catalysis, synthesis and complexation of polytopic functional ligands, functional N-heterocyclic carbenes and their complexes for catalytic applications, new organic molecules with

delocalized π system (quinoids) and applications in chemistry and physics, chemistry of functional enolates and their metal complexes, synthesis and reactivity of bimetallic silyl complexes, molecular clusters

Awards / Honors (Selection)

Member of Evaluation Group, Excellence Initiative of the German Federal Ministry of Education and Research and the German Research Foundation (2012), Descartes-Huygens Prize, Dutch Academy of Sciences (2008), Honorary Professor, Chinese Academy of Sciences, Beijing, China (2006), Member of the French Academy of Sciences (2005), Member of the National German Academy Leopoldina (2005), Chini Memorial Lecture (2003), Nyholm Medal and Lecture (2003), Humboldt Research Award (1987)

"From the scientific perspective, working in the lab of Professor Ernst Otto Fischer, who had received the Nobel Prize for Chemistry shortly before my post-doc stay, was a unique opportunity to be exposed to the forefront of organometallic chemistry. I was the first foreigner to work on the recent metal carbyne complexes, a very exciting challenge. Of course, the outstanding personality and charisma of Prof. E. O. Fischer had a major and long-lasting impact on anyone who had a chance to meet and work with him. I became friends with a number of German chemists who subsequently occupied academic positions in various German and non-German universities. I have lively memories of a most stimulating scientific environment, to meet so many people, many of them became colleagues, the visits to the 'Alte Pinakothek', the 'Biergarten-Kultur' and the opportunity to learn German, although this may not be 'Hochdeutsch'."



*“My stay at TUM
was a wonderful
growth experience
for me.”*

Charles Casey

Chemistry



Homer Adkins Professor Emeritus, Department of Chemistry,
University of Wisconsin-Madison, Madison, Wisconsin, **USA**

Stays at TUM

Sept. – Oct. 1988, June – July 1990, June – July 1993

Host

Prof. Dr. Wolfgang A. Herrmann

Research Interests

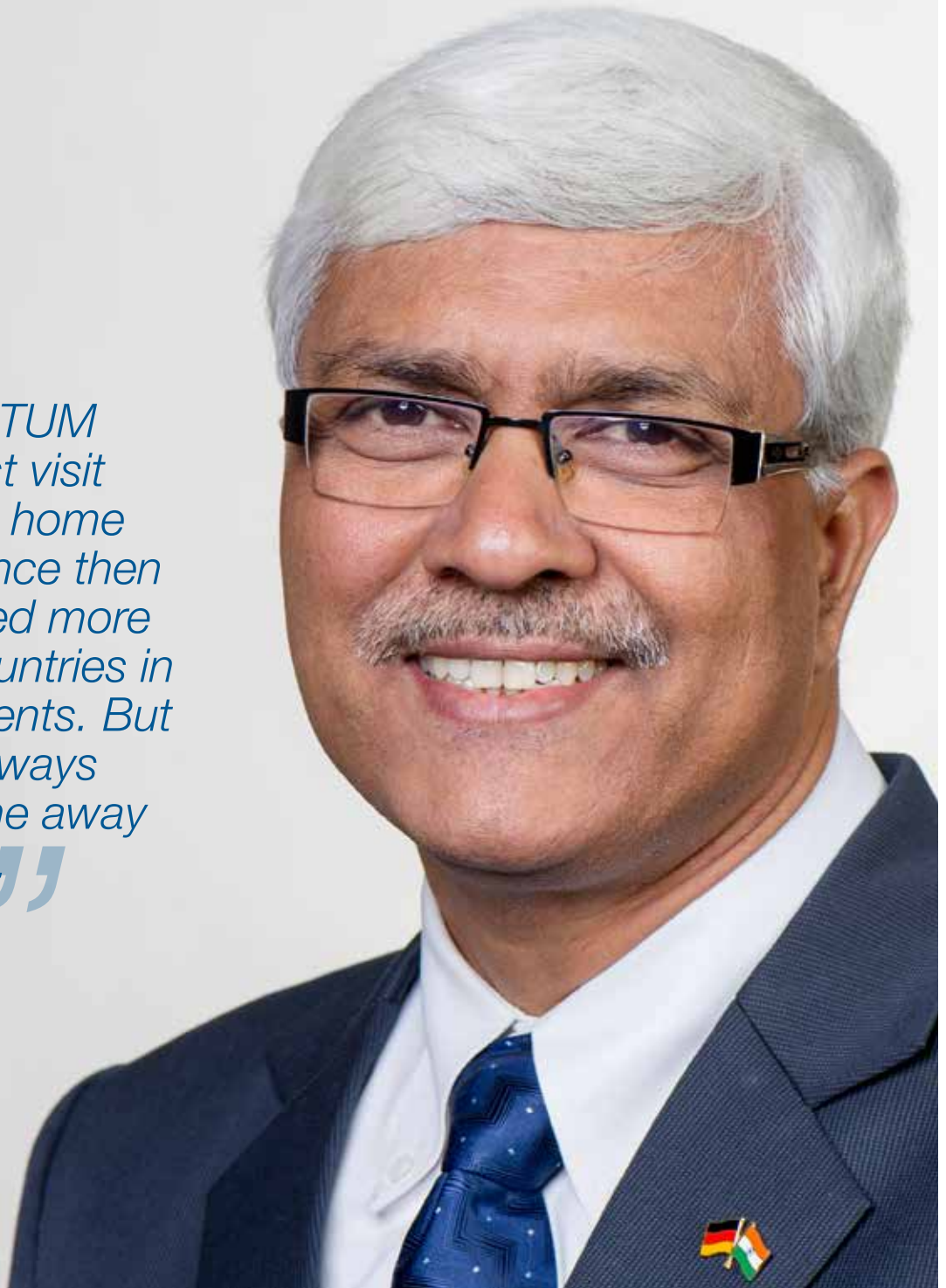
Organometallic chemistry and homogeneous catalysis, hydrogenation,
hydroformylation, alkene polymerization

Awards / Honors (Selection)

American Chemical Society Award for Distinguished Service to Inorganic Chemistry (2011), President of the American Chemical Society (2004), Chair of the Chemistry Department, University of Wisconsin-Madison (1998 – 2001), Member of the US National Academy of Sciences (1993), Fellow of the American Academy of Arts and Sciences (1993), American Chemical Society Award in Organometallic Chemistry (1991), Humboldt Research Award (1988)

"I came to TUM first in 1988 at the age of 46. This was my first experience living abroad and my first encounter with a quite different organization of a scientific department. I thoroughly enjoyed my interactions with the faculty and the graduate students who all made an effort to include me in their discussions. So I learned a great deal about the differences and strengths of German chemical education. Lecturing to advanced students in an organometallic chemistry course, when my host Professor Herrmann was travelling, is one of my cherished memories. Professionally, I met a large number of German chemists who became important relationships in all my future research. I developed a real affection for Germany. I enjoyed very much living in Guggenhausen, a small village near the Garching campus with more cows than people, the daily lunch with students in the Mensa, going for a beer with graduate students and having them bet on whether I would say at least five different words of German."

“My stay at TUM was my first visit outside my home country. Since then I have visited more than 15 countries in four continents. But TUM will always be my home away from home.”





Professor of Electrical Engineering and Prof-in-Charge,
High Voltage Laboratory, Jadavpur University, Kolkata, **India**

Stays at TUM

Sept. 1995 – Aug. 1996, May – Aug. 1999, Dec. 2007

Hosts

Prof. Dr.-Ing. Hans Steinbigler, Prof. Dr.-Ing. Josef
Kindersberger

Research Interests

Numerical field computation, computer aided design and
optimization of insulation system, condition monitoring of
transformers, signal conditioning in high voltage systems
and life-long learning techniques

Awards / Honors (Selection)

Recipient of the “Outstanding Small Chapter Award” (2010)
and the “Best Performance Award for Small Chapter” (2009)
from the IEEE Power & Energy Society as the Chairman of
Kolkata Power & Energy Chapter of IEEE, Outstanding
Chapter Engineer Award (2007) and Distinguished Lecturer
Award (2005) from the IEEE Power & Energy Society, USNSF
Visiting Scientist, Advanced Research Institute, Virginia
Tech, USA (2003), Humboldt Research Fellowship (1995),
Visiting Fellow of the Indian National Science Academy at
the Department of High Voltage Engineering, Indian Institute
of Science, Bangalore, India (1994)

“I first visited TUM as Humboldt Research Fellow for one year two years after the completion of my PhD degree. This was a wonderful opportunity for me. To be very brief, TUM made me a global researcher. At TUM, I understood the importance of industry-institute collaboration for conducting research of highest quality. As well the significance of maintaining research ethics was deeply imbibed in me at TUM. The outstanding research facilities, deep-rooted academic and cultural values and genial social life broadens the horizon of vision of a young scientist, which is so important to make her or him not only an excellent researcher but also a value added citizen. On a personal level, during my stay at TUM I learnt to strike a balance between stressful professional life and peaceful family life. I never felt alone in a foreign country in the presence of all the help extended by my hosts. After my stay at TUM, I became confident of living up to the standard at any institute in the world.”

“The visit and living at TUM have left very deep impressions in my mind and have greatly pushed the development of my professional career.”



Wenquan Che

Electrical Engineering and
Information Technology



Professor, Department of Communication Engineering,
School of Electronic and Optoelectronic Engineering and
Deputy Executive Dean, College of Elite Education, Nanjing
University of Science and Technology, Nanjing, **China**

Stay at TUM

Aug. 2007 – Nov. 2008

Host

Prof. Dr. Peter Russer

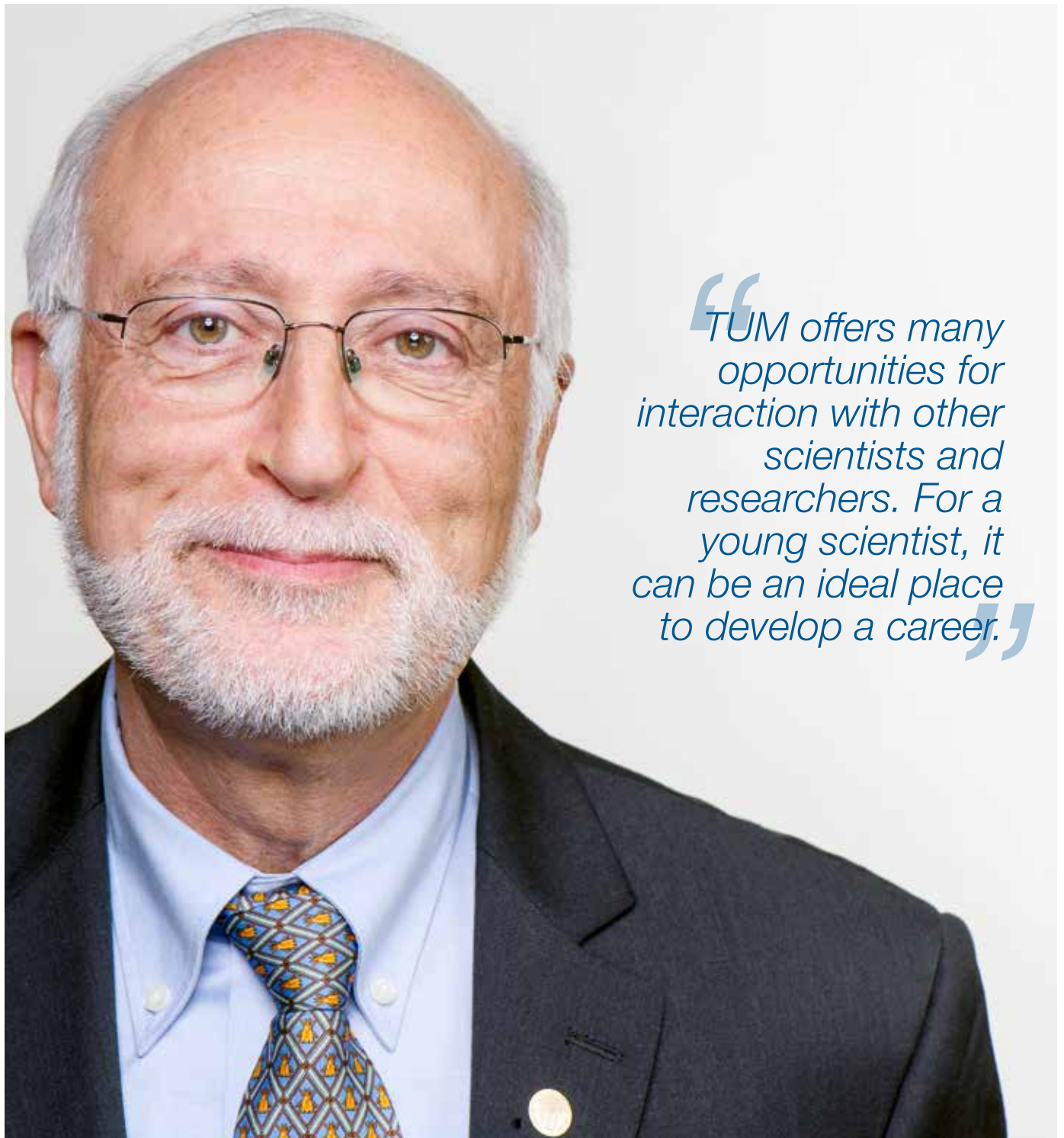
Research Interests

Microwave/millimeter wave circuits and systems, researches on application of microwave technology on medical treatment

Awards

Recipient of Distinguished Young Scientist Project, awarded by the National Natural Science Foundation Committee (NSFC) of China (2012), Recipient of the 5th China Young Female Scientists Award, awarded by the Association for Science and Technology, China (2008)

“When I went to TUM as a Humboldt Fellow, I was an associate professor and just started a new research field. The scientific research at TUM helped me to make some good professional achievements. Owing to the research work done at TUM, I was able to obtain different awards after coming back to China. In addition, I was promoted to full professor. Meanwhile a close cooperation has been built between my research group and professors at TUM, leading to mutual research visits, joint PhD education, and the yearly exchange of several undergraduate students from my home university. Moreover I got to know other professors in Italy, the UK and France who were also invited as guest professors by my host Professor Peter Russer. The personal memory that I cherish most is the summer trip organized by the Alexander von Humboldt-Foundation which brought us to visit 17 cities of Germany and helped us to have a more and better understanding of the history and literature of Germany.”



“TUM offers many opportunities for interaction with other scientists and researchers. For a young scientist, it can be an ideal place to develop a career.”

Armen Der Kiureghian

Civil, Geo and Environmental
Engineering



Taisei Chair Professor of Civil Engineering, Department
of Civil and Environmental Engineering, University of
California, Berkeley, Berkeley, **USA**

Stay at TUM

Sept. – Oct. 2012

Host

Prof. Dr. Daniel Straub

Research Interests

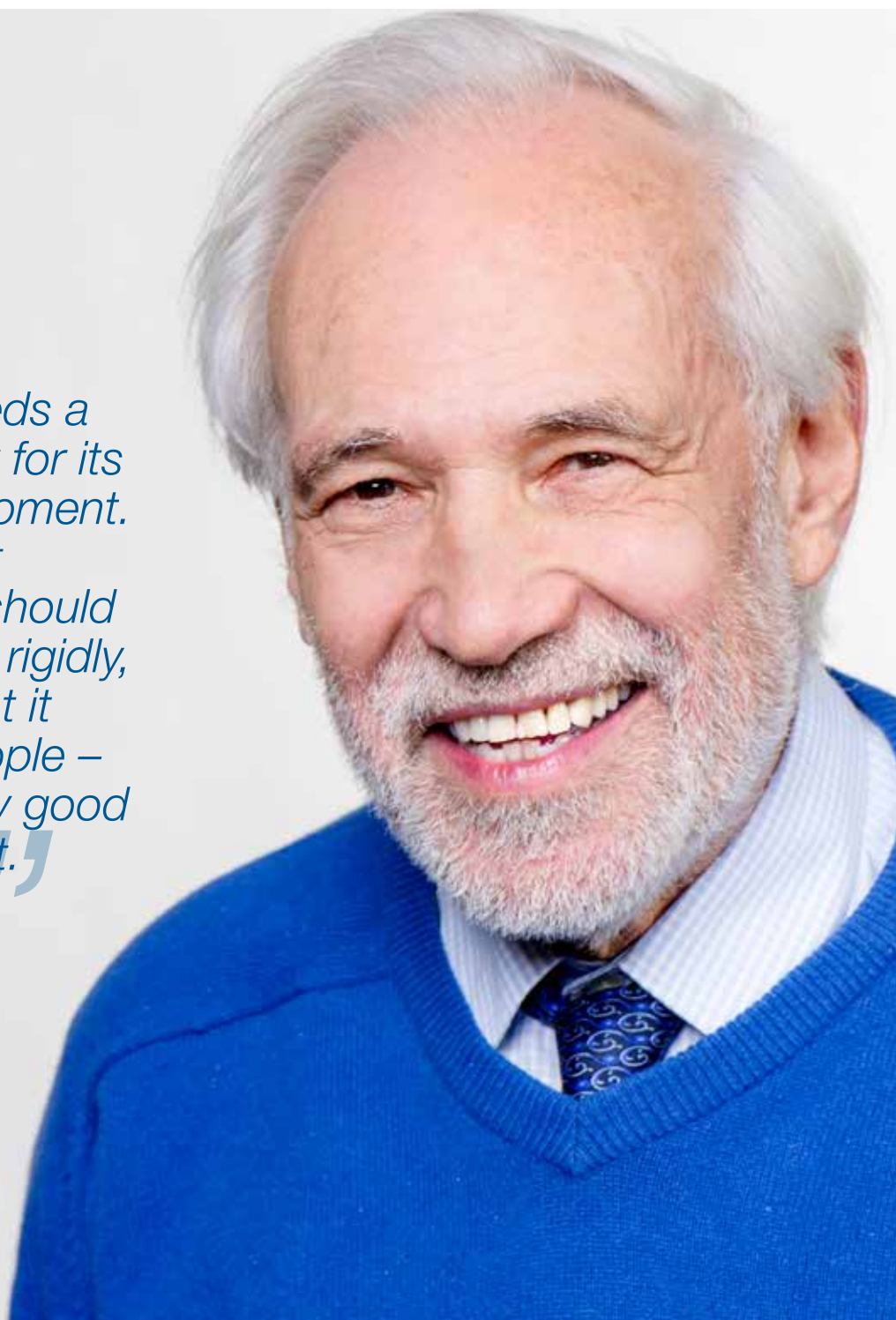
Structural and system reliability, engineering risk analysis
and decision making, stochastic structural dynamics, earth-
quake engineering

Awards / Honors (Selection)

Distinguished Research Award, International
Association of Structural Safety and Reliability (2013),
TÜV SÜD Stiftung Visiting Professorship, TUM-IAS (2012),
Elected Member of the US National Academy of
Engineering (2011), ASCE Alfred M. Freudenthal Medal
(2006), Distinguished Alumnus, Department of Civil and
Environmental Engineering, University of Illinois at
Urbana-Champaign (2006), Movses Khorenatsi Medal,
Government of Armenia (2001), CERRA (Civil Engineering
Risk and Reliability Association) Award (1999)

"Presently I am well advanced in my professional career and personal life. At Berkeley, I am an off-scale professor (beyond the regular steps) and holder of the Taisei Chair in Civil Engineering. I have many doctoral graduates and former postdocs who have gone on to achieve leading positions in universities worldwide. My stay at TUM was a most fulfilling experience. On the professional side, discussions on a wide range of topics with my host Professor Daniel Straub and his group members were very interesting for me. The highlight was a workshop that we jointly organized, which brought together his and my students in two days of presentation and discussions. Many have told me that this workshop was one of the best technical events they have attended. On the personal side, I made new friends among the university people as well as outside. Walking or riding my bike in the heart of Munich and visiting the charming restaurants with my friends and colleagues will always remain a cherished memory."

“I think that a university needs a keen strategy for its future development. This does not mean that it should choose fields rigidly, but rather that it invests in people – and extremely good people at that.”





Distinguished Affiliated Professor, Faculty of Electrical Engineering, Technische Universität München, Munich, Germany

Stays at TUM

June – July 2003, June – July 2005,
Sept. 2008 – Dec. 2013

Host

Prof. Dr. Klaus Diepold (2003 and 2005)

Research Interests

Dynamical system theory, numerical and matrix algebra,
signal processing, network theory

Awards / Honors (Selection)

Director of the Institute for Advanced Study (TUM-IAS) (2008 – 2013), Vitold Belevitch IEEE Circuits and Systems Award (2011), Chairman of the Point-One Academic Council (2007), (Elected) Chairman of the ENIAC Scientific Community Council (2007), Knighthood of the Dutch Lion (2006), Humboldt Research Award (2003), IEEE Circuits and System Society Golden Jubilee Medal (2000), Titulary of the Honorary Chair 'Vlaamse Leergangen 1994' at the Catholic University of Louvain, Honorary Medal of Delft University of Technology for advisorship of 25 Ph.D. graduates (1995), Elected Member of the Dutch Royal Academy of Science (1993)

"My first stay at TUM was as an Alexander von Humboldt-prizewinner in 2003 and then later as director of the TUM Institute for Advanced Study (TUM-IAS) for 5 years. The TUM-IAS contributes to the future of science and technology at TUM (and beyond) by bringing top expertise, both young and experienced, from all over the world together around high risk, high reward new ideas. It invests in people who are capable of combining great ideas with scientific and technological skills, thereby motivating eager young engineers, doctors and scientists. In my view, TUM provides one of the best environments for scientific exploration and the creation of new technology. For me, there were many great moments derived from intensive interactions with colleagues, exchanging methods and ideas, sharing a common view on the progress of science and technology. But maybe the finest moments were with the staff, who provided me and all other participants with the warm human environment that made our stays an unmitigated pleasure, truly contributing to the idea of 'TUM family', that extends to all who are connected to TUM, from wherever they may come."



“Bavaria is an ideal place in Europe to translate the scientific findings into real technology via a startup. At the same time, Munich is very well connected to the rest of Germany, Europe and the world.”

Anna Fontcuberta i Morral

Assistant Professor (Tenure Track), Laboratory of Semiconductor Materials, Institute of Materials, Ecole Polytechnique Fédérale de Lausanne, Lausanne, **Switzerland**

Stay at TUM

Oct. 2005 – Sept. 2010

Host

Prof. Dr. Gerhard Abstreiter

Research Interests

Nanotechnology, semiconductor nanostructures, molecular beam epitaxy, solar cells

Awards / Honors (Selection)

Rodolphe et Rene Haeny Prize, Ecole Polytechnique Fédérale de Lausanne, Switzerland (2012), invited to attend and present a poster at the 156th Nobel Workshop on Nanoscale Energy Converters, Örenäs Castle, Sweden (2012), TUM-IAS Visiting Fellowship (2010), European Research Council Starting Grant (2009), selected to attend the 58th Nobel Laureate Meeting, Lindau, Germany (2008), Marie Curie Excellence Grant (2006)

"My stay at TUM took place during my consolidation as an independent researcher, after having spent some time in the US as postdoc and having started a company. At TUM I had the possibility of starting my own research group in an extremely motivating environment. I enjoyed full scientific freedom to develop my ideas and at the same time high quality infrastructure for achieving them. TUM attracts extremely high quality students. I enjoyed the fruitful scientific discussions with my colleagues and the time with the master's and PhD students of my group, being able to have a direct impact on their success. Being able to start my own research group, I was able to establish an international reputation and a solid network which brought me a long way forward in my career. Munich is a great place for a scientist."

*“My stay at TUM
was a true
milestone in my
life, based on
which I was able
to gain some
important
achievements
in my career.”*



Professor for Environmental Health and Public Health, Department of Environmental and Occupational Health, School of Public Health, Kunming Medical University, Kunming, **China**

Stay at TUM

Apr. 1992 – June 1994

Host

Prof. Dr. med. Helmut Greim

Research Interests

Environmental health, occupational health, toxicology, epidemiology, public health education, health care service in the rural areas

Awards / Honors (Selection)

Third Award for Advanced Science and Technology, Ministry of Science and Technology, Yunnan Province (China) for research work “Effects of pesticides on endocrine and neurosystemin rats “ (2007), “Excellent Faculty of WuDaGuan Foundation“, Kunming Medical University (2006), “Excellent scientist in battle against SARS“, Chinese Preventive Medicine Association (2003), Third Award for Advanced Science and Technology, Ministry of Science and Technology, Yunnan Province (China) for research work “Application of quantitative analysis for behavioral changes of rodent animals in toxicology“ (2002), Third Award for Advanced Science and Technology, Ministry of Science and Technology, Yunnan Province (China) for research work “Application of operant behavior test in Yunnan natural herb medication toxicity“ (2001), “Distinguished instructor in universities“, Chinese Ministry of Education (2000)

“Studying at TUM was of great value to me. Quality academic atmosphere, beautiful campus and friendly faculty impressed many nice memories on my mind. During my stay I made good relationships with academic people. Afterwards I set up a research cooperation between China and Germany supported by the Chinese government and the German BMBF. During the following nine years, six Chinese researchers received funding for their studies in Germany and ten German researchers visited Kunming in southwest China. This bilateral cooperation produced a lot of achievements and one German researcher even got a reward from Yunnan Provincial Government. Based on this experience, I later built further international collaborations with other countries in the field of public health. The time at TUM opened my eyes and changed my career totally. German people are very serious in research, but very friendly and accommodating: ‘Once working together, forever friends!’”



*“I strongly recommend
young scholars in my
field to visit TUM, which
I regard as a highly
valuable research
partner.”*



Associate Professor and Chair, Department of Land and Real Estate Management, Center of Property Tax and Assessment, School of Public Administration and Policy, Renmin University of China, Beijing, **China**

Stay at TUM

Oct. 2009 – Dec. 2011

Host

Prof. Dr.-Ing. Holger Magel

Research Interests

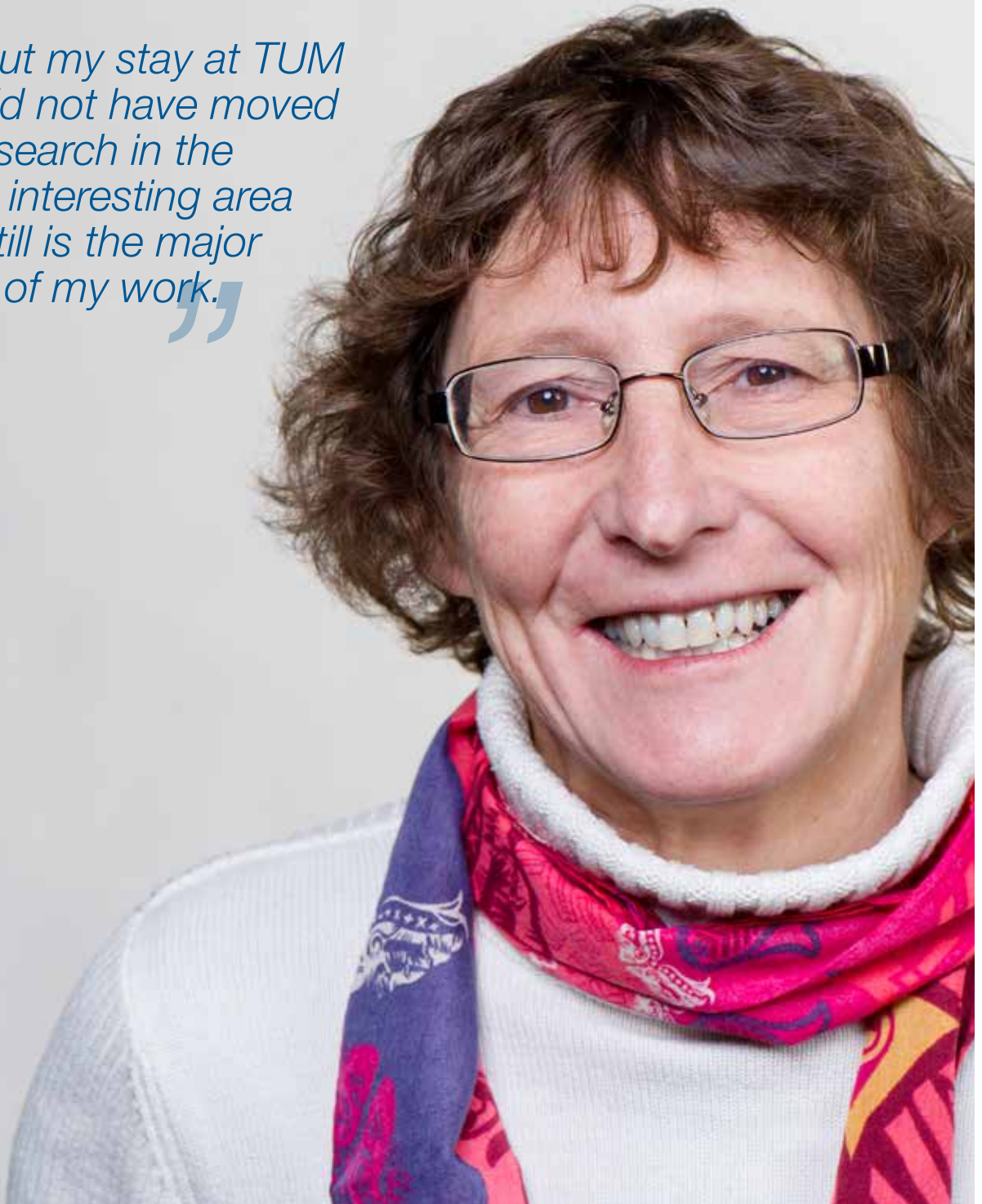
Property tax and its assessment, real estate appraisal, real estate finance and investment analysis, land information system and GIS

Awards / Honors (Selection)

Second Price for Best Paper of the Annual Conference of the China Association of Real Estate Academicians (2012), Second Price for Best Paper of the Annual Conference of the China Real Estate Appraiser (2012), Humboldt Research Fellowship (2008)

"In 2008 I came to TUM as a Humboldt Research Fellow. During my time spent there, I had the opportunity to sort out my past studies systematically after 8 years of teaching and research at the Renmin University of China. At the institute of my host Professor Holger Magel I was able to compare the land management systems of China and Germany and develop some ideas on how to improve the situation in China. I was impressed by the discussion topics undertaken by the institute, especially for the research in a specific subject site in the countryside. I introduced some land management officers in China to visit Bavaria to learn about spatial planning and rural development. There have been several bilateral exchange visits and research activities each year since then. Furthermore I'm contributing to the Double Degree master's education program between Renmin University of China and TUM in the area of land management."

*“Without my stay at TUM
I would not have moved
my research in the
highly interesting area
that still is the major
focus of my work.”*



Rosemarie Renaut

Mathematics



Professor, School of Mathematical and Statistical Sciences,
Arizona State University, Phoenix, Arizona, **USA**

Stays at TUM

Aug. 2001 – July 2002, Aug. 2003

Host

Prof. Dr. Martin Brokate

Research Interests

Inverse problems, computational linear algebra, ill-posed problems, algorithm development, statistical approaches

Awards / Honors (Selection)

Leader, Focused Research Group in Mathematics for research on the Mathematical Essentials of Medical Imaging (2007 – 2012), Program Officer, Computational Mathematics, National Science Foundation (2008 – 2011), Director, Professional Masters Program in Computational Biosciences, Arizona State University (2002 – 2008), Chair, Department of Mathematics, Arizona State University (1997 – 2001), Sofia Kovalesky Visiting Professor, Technical University of Kaiserslautern, Germany (1992)

"I came to TUM in the midst of my career, after heading up the department of mathematics at my home institution: At a good point for re-establishing research interests, in other words. During my stay at TUM I taught a course on the subject of mathematical techniques for medical imaging and this allowed me to delve deeply into the subject and consequently lead to my further interests for research on signal and image improvement and interpretation. This has been crucial for my current research as computational mathematician in numerical linear algebra and inverse problems. One of my students at TUM completed his diploma thesis on Image Deblurring. He then moved to my institution in Arizona and continued to work on the same topic for his doctoral dissertation. On the personal level, I had a fantastic time with my family in Munich. My children experienced a full year of school there, learning the German language. As one result, my daughter chose to minor in German."

*“TUM is a great place
for doing research,
and meeting other
people who do so.”*



Henk van Beijeren

Mathematics



Professor Emeritus, Institute for Theoretical Physics,
Utrecht University, Utrecht, **The Netherlands**

Stays at TUM

Mar. – June 2009, Feb. – May 2010, Feb. – Apr. 2011

Host

Prof. Dr. Herbert Spohn

Research Interests

Statistical physics of nonequilibrium systems and the
equilibrium properties of surfaces

Awards / Honors (Selection)

Humboldt Research Award (2008), Visiting Professor at the
University of New South Wales-Australian Defence Force
Academy (UNSW-ADFA), Canberra, Australia (2006), Fellow
of the Japan Society for the Promotion of Science, visiting
the International Christian University (ICU) in Tokyo (2000),
Visiting professor at the Rockefeller University in New York
(1974), Visiting professor at the Technion-Israel Institute of
Technology, Haifa (1983), Substitute Professor at the
University of Essen, Germany (1983)

"Just after my retirement at Utrecht University 2009 I was visiting professor at TUM for three years. During these years I started the research project I am still mostly working on, based on some remarkable results by Professor Herbert Spohn, my host at TUM, and one of his coworkers. I enjoyed the good atmosphere in the group of my host, the daily bike rides along the Isar between Munich and the Garching campus, my sojourn at the 'Internationales Begegnungszentrum der Wissenschaft München' (an excellently equipped and located guest house for international scientists), the Nymphenburg park and the botanical garden, the Alte Pinakothek and the ice skating on the lake in the Englischer Garten. I would recommend TUM for a research stay because of the excellent people working there, first of all, then, not unimportantly, the equally excellent facilities and, last but not least, the highly attractive environment."

“The personal and scientific connections that I established with many excellent researchers enriched both the level of research and my respect and attitude towards German society.”





Professor of Mechanical Engineering, Department of
Mechanical Engineering, Ben-Gurion University of the
Negev, Beer-Sheva, **Israel**

Stays at TUM

Aug. 2010 – Feb. 2011 and many other visits since then

Host

Prof. Dr. Ernst Rank

Research Interests

Biomechanics, fracture-mechanics, high order finite element methods

Awards / Honors (Selection)

Hans Fischer Senior Fellowship, TUM-IAS (2009), Toronto Award for the “best researcher” in the Faculty of Engineering, Ben Gurion University of the Negev (2009), IBM Distinguished Professorship at the Division of Applied Mathematics, Brown University, Providence, Rhode Island, USA (2002-2003)

“My stay at TUM was one of the best research periods I ever had. My interaction with the TUM started back in 1996 when I visited the institute of Professor Ernst Rank for the first time. I was then a young lecturer at the beginning of my career. The warm and wonderful hospitality of my host made us good friends. After many years of collaboration I had the honor to become a Hans Fischer Senior Fellow of the TUM Institute for Advanced Study. The most significant professional outcome were several significant scientific achievements in the field of bone mechanics and the connections I established with some excellent scientists that I hope will lead to new and exciting discoveries. TUM is an excellent university in several aspects: It has many faculty members of a high scientific level and international reputations, there is a very friendly atmosphere and assistance, and there is an excellent international graduate school that provides many benefits uniquely to TUM.”

Research Alumni Profiles Gallery: Faces of the Network



Architecture





Russia



Alexej Bulgakow

Professor and Chair

Construction Mechatronic and Robotic, Kursk State Technical University, Kursk, Russia

Prorector

Kursk State Technical University, Kursk, Russia

Stay at TUM

Sept. 2000 – Feb. 2002

Host

Prof. Dr.-Ing. Thomas Bock

Research Interests

Information and communication technology in construction engineering, energy efficiency and compatibility of the biosphere with urban regions

Awards / Honors (Selection)

Award of the Russian Federation in the Area of Science and Engineering (2008, 2006)

USA



Joshua Hagen

Professor

Department of Geography, Marshall University, Huntington, West Virginia, USA

Stay at TUM

Summer 2005

Host

Prof. Dr.-Ing. Winfried Nerdinger

Research Interests

Borders and border theory, cultural politics of place names, geography education and online learning, globalization, sovereignty and territoriality, historic preservation and places of memory, history of geography and geopolitics, nationalism and homelands

Awards / Honors (Selection)

Fulbright Award, German Studies Seminar, Fulbright Scholar Program (2012), DAAD Faculty Research Grant (2012), Humboldt German Chancellor's Fellowship (2000 – 2001)

"I spent a very productive summer at TUM, mostly sifting through the library's impressive collection of pre-1945 architectural journals. The faculty and staff were incredibly supportive. I hope I get a chance to return in the near future!"



Australia



Steffen Lehmann

Professor and Chair in Sustainable Design, Architecture and Urban Design and Director

Research Institute sd+b Centre, School of Art, Architecture and Design, University of South Australia, Adelaide, Australia

Visiting Professor

Tianjin University, Tianjin, China

Stay at TUM

Aug. – Dec. 2009

Host

Prof. Richard Horden

Research Interests

Sustainable cities, high-performance architecture, energy efficient buildings and cities in the Asia-Pacific, sustainable communities, architectural design and construction technology, low-carbon construction

Awards / Honors (Selection)

Senior Research Fellow, Centre for Urban Systems, University of Duisburg-Essen, Germany (2013 – 2014), Chairholder, UNESCO Chair for Sustainable Urban Development (2008 – 2010, since Aug. 2010 ex-officio), Member of the Royal Institute of Australian Architects (2003)

"In 2009, I had the pleasure to be DAAD-Visiting Professor in Architecture at TUM. I have chosen TUM as my host since I was aware of the high calibre teaching and rigorous research conducted at this university. I am glad to maintain good and close contacts to such an excellent university."

Brazil



Silvio Parucker

Professor of Architecture and Urban Planner

Department of Architecture and Urban Planning, Universidade federal do Paraná, Curitiba, Paraná, Brazil

Stay at TUM

Apr. 2008 – Feb. 2013

Host

Prof. Dr.-Ing. Gerhard Hausladen

Research Interests

Sustainable development, energy efficiency in architecture, energy efficiency in public construction, strategic planning development in Latin America, sustainable communities, architectural design and construction technology

"The true value of an entity is to create opportunities to concretize our dreams and overcome our limitations. TUM does this and so incarnates true university value."



Guatemala

Oscar Antonio Quintana Samayoa



Professor

Facultad de Arquitectura, Universidad de San Carlos de Guatemala, Guatemala City, Guatemala

Stay at TUM

1983 – 1984

Host

Prof. Dr.-Ing. Otto Meitinger

Research Interests

Denkmalpflege (Historic Preservation)

Greece

Konstantinos Serraios



Associate Professor in Urban Planning and Design

National Technical University of Athens, Athens, Greece

Stay at TUM

Oct. 1989 – Juni 1993

Host

Dr. Christian Schneider

Research Interests

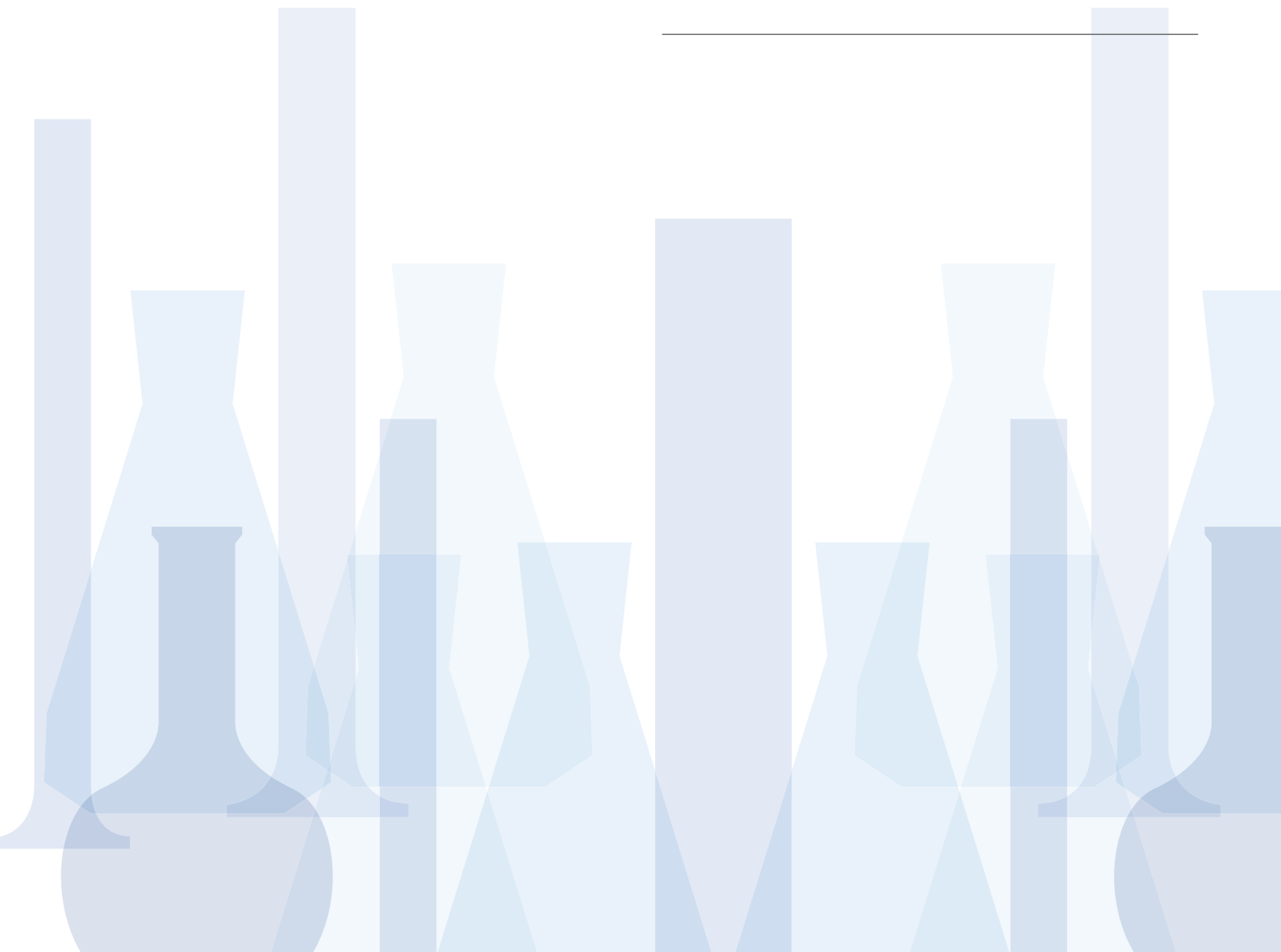
Land use planning on the main road network, urban and emergency planning in seismic regions, impacts of big events on the territorial structure and on the spatial organization of metropolitan regions

Awards / Honors (Selection)

First Prize in the International Competition for the Planning of the Public Center of Sykhiv, Lviv (Ukraine, 2008), First Acquisition in Architectural Ideas Competition for Replanning of the “Toumba Area” in Thessaloniki (Greece, 2000), “Prize L. Kaftantzoglou” and “Thomaidio Award”, School of Architecture of the National Technical University of Athens (1991 and 1990)

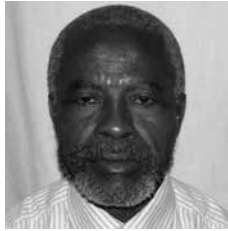
“My stay in Munich gave me the opportunity not only to gain comprehensive knowledge of high standards in the field of Town and Regional Planning, but also to meet important personalities, who greatly inspired my scientific life during the following years.”

Center of Life
and Food
Sciences
Weihenstephan





Nigeria



Gabriel Adegoke

Professor of Food Biotechnology and Food Safety

Department of Food Technology, University of Ibadan, Ibadan, Nigeria

Stay at TUM

1982

Host

Prof. Dr. Karl-Heinz Schleifer

Research Interests

Food safety, mycotoxins, natural food additives

Awards / Honors (Selection)

AIST/NEDO Scholarship, Government of Japan (2000), Japan Fellowship, United Nations University, Tokyo (1996), AIST/MITI scholarship, Government of Japan (1994)

"I found an extremely friendly atmosphere and scientifically competent people at TUM. I will remember the university forever in my life as it served as the center-point for a solid foundation for my present research capabilities and academic progression."

Chile



José Miguel Aguilera

Professor of Food Engineering

Department of Chemical and Bioprocess Engineering, Pontificia Universidad Católica de Chile, Santiago, Chile

President

National Commission for Scientific and Technological Research (CONICYT), Santiago, Chile

Stays at TUM

Dec. 1986 – July 1987, July – Sept. 2002, May – July 2003, July 2006

Host

Prof. Dr. Heinz-Gerhard Kessler, Prof. Dr. Ulrich Kulozik

Research Interests

Food engineering, food microstructure and its relation to health, wellbeing and gastronomy

Awards / Honors (Selection)

Foreign Associate Member, US National Academy of Engineering (2010), Chilean National Prize for Applied Science and Technology (2008), Marcel Loncin Research Prize, Institute of Food Technologists (IFT, 2006), Humboldt Research Award (2002)

"The periods I spent as a Humboldtian at the Weihenstephan campus were decisive in establishing and deepening the thesis that we eat food structures that must be palatable, safe and healthy. Most parts of my book 'Microstructural Principles of Food Processing and Engineering', now with more than 500 citations, were written at TUM."



Turkey



Ertan Ermis

Assistant Professor

Food Engineering Department, Istanbul Sabahattin Zaim University, Istanbul, Turkey

Stay at TUM

Mar. – Nov. 2009

Host

Prof. Dr.-Ing. Karl Sommer

Research Interests

Food Engineering, powder technology, food microbiology

Awards / Honors (Selection)

EU FP6 Marie Curie RTN Early Stage Researcher (2007 – 2012)

"As a part of my EU funded PhD project, I could conduct tests and develop ideas together with academic staff at TUM."

Canada



Markus Heinrichs

Professor

Department of Geography and Earth & Environmental Science, Okanagan College, Kelowna, British Columbia, Canada

Stays at TUM

Sept. 2003 – Aug. 2004, July – Aug. 2005

Hosts

Prof. Dr. Arnulf Melzer, Dr. Uta Raeder

Research Interests

Paleolimnology, environmental change, sustainability

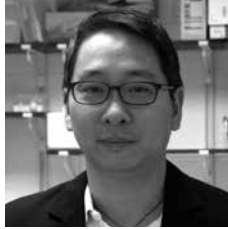
Awards / Honors (Selection)

Humboldt Research Fellowship (2003)

"The Limnological Station of TUM provided excellent research facilities and the support received during my stay was phenomenal. I was able to establish lasting professional connections with several scientists which will lead to collaborations well into the future."



USA



Edwin Li

Assistant Professor

Saint Joseph's University, Philadelphia, Pennsylvania, USA

Stay at TUM

2009 – 2010

Host

Prof. Dr. Dieter Langosch

Research Interests

Membrane protein biophysics

Awards / Honors (Selection)

Humboldt Research Fellowship (2009)

"Enjoyed it a lot! Great university, staff, students and city!"

India



Lalit Kumar Murdia

Professor and Head of Department

Department of Dairy and Food Engineering, College of Dairy and Food Science Technology, Maharana Pratap University of Agriculture and Technology, Udaipur, India

Stay at TUM

Sept. 1986 – June 1989

Host

Prof. Dr.-Ing. Werner Bauer

Research Interests

Food technology and engineering, dairy technology and engineering

Awards / Honors (Selection)

Foreign Associate Member, US National Academy of Engineering (2010), Chilean National Prize for Applied Science and Technology (2008), Marcel Loncin Research Prize, Institute of Food Technologists (IFT, 2006), Humboldt Research Award (2002)



India



Murali Prasad

Associate Professor

Economics, Department of Humanities & Social Sciences, Indian Institute of Technology Kanpur (IITK), Kanpur, India

Stay at TUM

May – July 2010

Host

Prof. Dr. Jutta Roosen, Prof. Dr. Klaus Salhofer

Research Interests

Interdisciplinary policy oriented comparative research, particularly water resources (zoning policy, e-flows, livelihoods), road crashes, doctor-patient relationships

Awards / Honors (Selection)

Staff Mobility Fellowship, Erasmus Mundus External Co-operation Window (EMECW, three months in 2010 – 2011), Honorary DAAD Advisor for Outstanding Commitment and Leadership in promoting Indo-German Relations in Education (2006 – 2009), German Academic Exchange Service (DAAD) Sandwich Model Fellowship (1995 – 1997)

Egypt



Mahmoud Sharaf-Eldin

Associate Research Professor

Medicinal and Aromatic Plants Research Department, Pharmaceutical and Drug Industries Research Division, National Research Centre (NRC), Cairo, Egypt

Stay at TUM

Jan. 2000 – June 2002

Host

Prof. Dr. Wilfried H. Schnitzler

Research Interests

Medicinal and aromatic plants, in vitro and in vivo, plant bioreactor, saffron, artichoke, cardoon, safflower, artemisia

Awards / Honors (Selection)

Fulbright Fellowship (2005)

“Very enriching and unforgettable experience, still have a good contact with friends that I made during my stay at TUM.”



Japan



Masami Shiba

Professor and Chairman

Subtropical Agro-Production Sciences Department

Deputy Director

Subtropical Field Science Center, Faculty of Agriculture,
University of the Ryukyus, Nishihara, Okinawa, Japan

Stay at TUM

Sept. 1987 – Aug. 1989

Host

Prof. Dr. Dr. Hans Loeffler

Research Interests

Sustainable forest management and applied technologies for tropical and subtropical forests in Asia, forest and wood products certification systems, GIS and LiDAR application for forest watershed management and assessment, insight into the historical relations between Germany and Japan through forestry

Awards / Honors (Selection)

Distinguished Office Holder Service Award of the International Union of Forest Research Organization (IUFRO, 2010), Award for the Japan Forest Engineering Society (2001)

“Die Gelegenheit, an der TUM im Kreise von Fachgenossen zu studieren, war von größtem Nutzen. Ich denke oft an alle Freunde und Bekannte, mit denen ich während meines Aufenthaltes in München zusammen war. Ich denke an die schöne, lebenswerte Stadt München und seine Bewohner.”

Japan



Hisami Yamanaka-
Okumura

Assistant Professor

Department of Clinical Nutrition, Institute of Health Biosciences, University of Tokushima, Tokushima, Japan

Stays at TUM

Apr. – Aug. 2011, June – Aug. 2012

Hosts

Prof. Dr. Hans Hauner, Prof. Dr. Hannelore Daniel

Research Interests

Evidence based nutrition, liver cirrhosis, clinical nutrition, indirect calorimetry, late evening snack, mixed meal, Japanese food, metabolomics, low energy density diet, volumetrics, 500 kcal lunch

Awards / Honors (Selection)

The Japanese Society of Nutrition and Dietetics (2012), Japanese Society of Clinical Nutrition (2010, 2008), Japanese Society of Nutritional Assessment (2011)

“I very much enjoyed my stay at TUM. There I learned and saw the front-line metabolomics, which was extremely useful for my future research.”



Turkey



H. Güçlü Yavuzcan

Professor and Head

Department of Industrial Products Design, Faculty of Architecture, Gazi University, Ankara, Turkey

Expert of the European Commission

European Commission LLP Programmes, Education, Audiovisual and Culture Executive Agency (EACEA), Brussels, Belgium

Stay at TUM

Oct. 1998 – Mar. 2000

Host

Prof. Dr. Hermann Auernhammer

Research Interests

Industrial design, design of alternative energy systems, patent engineering, agricultural machinery

Awards / Honors (Selection)

Patent Award of Gazi University (2012), Intellectual Property Rights Research Award (2008), Leonardo da Vinci Compendium of 50 Successful Pilot Projects (2006), Humboldt Research Fellowship (1998)

"The research was about the development of a potential soil compaction index with respect to various efficient parameters in sugarbeet production. TUM has provided all the necessary facilities to conduct an effective research. Consequently, my research activity there was very fruitful."

Chile



José Antonio Yuri

Professor and Director

Centro de Pomacea, Facultad de Ciencias Agrarias, Universidad de Talca, Talca, Chile

Stay at TUM

Apr. 1987 – Oct. 1990

Host

Prof. Dr. Walter Feucht

Research Interests

Fruit (apple) production, ecophysiology, fruit nutrition, fruit quality

Awards / Honors (Selection)

Award Federacion de Porductores de Fruta de Chile (2010)

"Ich kam im Jahr 2006 als Vizepräsident der Universität Talca an der TUM mit dem Präsidenten Prof. Dr. Wolfgang A. Herrmann zusammen."

Chemistry





Egypt



Aref A. M. Aly

Professor of Inorganic Chemistry

Chemistry Department, Faculty of Science, Assiut University, Assiut, Egypt

Stay at TUM

Oct. 1976 – July 1980

Host

Prof. Dr. Hubert Schmidbaur

Research Interests

Supramolecular coordination polymers and their applications in nano chemistry, using agricultural sorbents for removing organic wastes and metal ions from industrial effluents and ground water

Awards / Honors (Selection)

Humboldt Research Fellowship (1989)

India



Sakthivel Ayyamperumal

Assistant Professor

Department of Chemistry, Inorganic Materials and Catalysis Laboratory, University of Delhi, Delhi, India

Stay at TUM

Jan. 2004 – Dec. 2005

Host

Prof. Dr. Fritz E. Kühn

Research Interests

Heterogeneous catalysis development for fine and petro-chemical processes, development of multi-metal oxides for oxidation of hydrocarbon, heterogenisation of homogeneous catalysis and its applications, development of nano size zeolite and zeolite materials, composite materials for the hydrocarbon transformation

Awards / Honors (Selection)

Japan Society for the Promotion of science (JSPS) Research Fellowship (2006), Max-Planck Research Fellowship (2006), Humboldt Research Fellowship (2004)

"Munich is a very beautiful and clean place to stay. I had wonderful experiences during my stay at TUM. Most research articles during my career were published while staying there. I also learned a new area of catalysis during my visit."



India



Susanta Banerjee

Professor

Materials Science Centre, Indian Institute of Technology
Kharagpur (IIT KGP), Kharagpur, India

Stay at TUM

July 1997 – Feb. 1999

Host

PD Dr. Gerhard Maier

Research Interests

High performance polymers, membrane based separation,
hyperbranched polymers, light emitting polymer

Awards / Honors (Selection)

GE Management Award (2005), Defence Technology Spin-off
Award (2002), Titanium Medal and Commendation Certificate
by the SA to Defence Minister (2001), Humboldt Research
Fellowship (1997)

"I stayed 20 months in Munich with my family thanks to the support from the Humboldt Foundation. We had a very memorable stay at TUM both from the personal and the research point of view. I got full cooperation from my academic host PD Dr. Gerhard Maier and the full research group of Prof. Nuyken. Because of this my research project proceeded exceedingly well with several research publications in international journals of high repute. The time spent at TUM helped me for my future career development. Professors, researchers, technicians and administrative staff were very cooperative towards foreign researchers."

Italy



Walter Baratta

Professor

Dipartimento di Chimica, Fisica e Ambiente, University of
Udine, Udine, Italy

Stay at TUM

June 1994 – May 1996

Host

Prof. Dr. Wolfgang A. Herrmann

Research Interests

Homogeneous catalysis, hydrogenation, ruthenium, osmium

Awards / Honors (Selection)

First Prize of the Solvias Ligand Contest, Basel, Switzerland
(2008), Humboldt Research Fellowship (1994)



Germany



Rüdiger Beckhaus

Professor and Chair in Inorganic Chemistry

Faculty of Mathematic and Natural Science, Department of Chemistry, University of Oldenburg, Oldenburg, Germany

Stay at TUM

Sept. 1990 – Feb. 1991

Host

Prof. Dr. Peter Hofmann

Research Interests

Inorganic chemistry, organometallic chemistry, coordination chemistry, homogenous catalysis

Awards / Honors (Selection)

Karl-Ziegler Förderpreis der Karl-Ziegler-Stiftung der Gesellschaft Deutscher Chemiker (1998), Carl-Duisberg-Gedächtnispreis der Gesellschaft Deutscher Chemiker (1998), Heisenbergstipendium der Deutschen Forschungsgemeinschaft (1992), Humboldt Research Fellowship (1990)

"At TUM I found excellent working conditions."

Canada

Tucker Carrington

Professor of Theoretical Chemistry and Canada Research Chair in Computational Quantum Dynamics

Chemistry Department, Queen's University, Kingston, Ontario, Canada

Stay at TUM

Sept. 1994 – Aug. 1995

Host

Prof. Dr. Wolfgang Domcke

Research Interests

Theoretical chemistry, quantum dynamics, spectroscopy

Awards / Honors (Selection)

Gerhard Herzberg Award, Canadian Society for Analytical Sciences and Spectroscopy (2013), Fellow of the American Physical Society, Chemical Physics Division (2007), Noranda Lecture Award of the Canadian Society for Chemistry (1999), Humboldt Research Award (1994)



Sweden



Jyoti Chattopadhyaya

Professor of Chemistry and Chair of Chemical Biology

Institute of Cell and Molecular Biology, Biomedical Center,
Uppsala University, Uppsala, Sweden

Stay at TUM

1995 – 1996

Host

Prof. Dr. Ivar Ugi

Research Interests

The concept of stereoelectronic effects in DNA and RNA and their structural and functional implications, the Uppsala NMR-window concept to simplify the NMR spectra of large DNA/RNA

Awards / Honors (Selection)

Honorary Life Fellow of Indian Society of Chemists and Biologists (ISCB) for contributions in the area of chemical sciences, Humboldt Research Award (1995), Norblad-Ekstrand Gold Medal by Swedish Chemical Society (1993)

"It was so exciting and stimulating. Cross-pollination of research ideas was excellent. You have an excellent environment there. Wish to return sometime."

France



Nguyen Quy Dao

Research Director Emeritus

Centre National de la Recherche Scientifique (CNRS), Paris

Honorary Professor

Laboratoire Structures, Propriétés, Modélisation des Solides,
École Centrale Paris (SPMS-ECP-CNRS), Châtenay-Malabry,
France

Stay at TUM

Jan. – Dec. 1977

Host

Prof. Dr. Ernst Otto Fischer

Research Interests

Inorganic chemistry, raman and IR spectroscopy, X-ray diffraction, uranyl complexes, correlation structure-properties of inorganic compounds

Awards / Honors (Selection)

First Prize of the French Chemical Society in Inorganic Chemistry, Price of Instrumentation of the French Society of Physics, Medal of the French-Vietnamese Friendship, Humboldt Research Fellowship (1977)

"It was a great experience, from both the scientific and human aspects. I believe that this cooperation was really profitable for me, but I am sure that it also positively contributed in some aspects to the laboratory at TUM."



Romania



Gabriela Iulia David

Associate Professor

Department of Analytical Chemistry, Faculty of Chemistry,
University of Bucharest, Romania

Stay at TUM

Oct. 1992 – July 1993

Hosts

Prof. Dr. Wolfgang A. Herrmann, Prof. Dr. Peter Härter

Research Interests

Analytical chemistry, instrumental methods of analysis
(electrochemistry, spectrometry) and their applications in
environmental, pharmaceutical and clinical analysis

"Thanks to a DAAD-Fellowship I had the opportunity to spend 10 months at the Department of Inorganic Chemistry of TUM. My laboratory activity there was related to the synthesis of organometallic compounds. My research work in this for me very new field of chemistry, was directly supervised by Prof. Dr. Peter Härter. The stay at TUM and the privilege to work in a team of highly qualified researchers offered me the great chance to make my first steps in the wonderful world of scientific research in chemistry. The experience gained at TUM was for me of great importance for my further professional, scientific but also personal development."

Hungary



Imre Dékány

Professor

Department of Medical Chemistry, Faculty of Medicine,
University of Szeged, Szeged, Hungary

Member of the Supramolecular and Nanostructured Materials Research Group

Hungarian Academy of Sciences

Stays at TUM

Mar. – May 1999, June – Aug. 2013

Hosts

Prof. Dr. Walter Nitsch, Prof. Dr. Johann Plank

Research Interests

Chemistry of interfaces, colloids, nanostructured materials,
biointerfaces, polymers

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2013),
Gabor Dénes Award, Hungary (2009), Leo Szilard Award,
Hungary (2008), Canon Award, Japan (1999), Humboldt
Research Fellowship (1986)



Czech Republic



Juraj Dian

Associate Professor of Condensed Matter Physics

Department of Chemical Physics and Optics, Faculty of Mathematics and Physics, Charles University in Prague, Prague, Czech Republic

Stay at TUM

May 1995 – Oct. 1996

Host

Prof. Dr. Stan Veprek

Research Interests

Silicon nanocrystals, photoluminescence, FTIR, SEM, surface functionalization, electrochemical deposition, molecular recognition, chemosensors

Awards / Honors (Selection)

Humboldt Research Fellowship (1995)

"The Humboldt fellowship at TUM was one of my scientific career heights. I worked in a large group of young people led by a skilled and inventive professor. I learned what a material research is and had the opportunity to work with many spectroscopic and characterization instruments not available for me at my home institute. Although the cooperation with my host professor after my return to my home university did not continue, both the scientific and social skills I learned from him were of immense value for my subsequent scientific work and my life as well. My present scientific work is based on principles I have learned many years ago at TUM. Thank you, Stan."

China



Ming-Jin Fan

Associate Professor

State Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou, China

Stay at TUM

Jan. 2008 – Jan. 2009

Host

Prof. Dr. Thorsten Bach

Research Interests

Lubricant, tribology

Awards / Honors (Selection)

Humboldt Research Fellowship (2008)

"It was an honor and a great pleasure for me to stay at TUM, and also in Munich and in Germany."



USA



Heinz Guenter Floss

Professor Emeritus of Chemistry

Department of Chemistry, University of Washington, Seattle, Washington, USA

Stays at TUM

Mar. – Aug. 1980, July – Sept. 1986, June – Aug. 1995

Host

Prof. Dr. Helmut Simon

Research Interests

Chemistry and molecular biology of natural products biosynthesis

Awards / Honors (Selection)

Dr. h.c. Friedrich-Wilhelm-Universität Bonn (2001), The Norman R Farnsworth ASP Research Achievement Award (American Society of Pharmacognosy, 1988), Dr. h.c. Purdue University (1986), Humboldt Senior US Scientist Award (1980)

"My three sabbatical stays at TUM have been very fruitful both for me and, I believe, also for the German side. The discussion with many colleagues stimulated my thinking and led to some joint research and publications. The stays at TUM also enabled me to visit many other German universities and interact with colleagues with related interests. As a result, in the following years many of these colleagues sent some of their best students as postdocs to my lab; eight of these individuals are now prominent full professors in German and Swiss universities."

USA



Brian C. Freemann

Associate Professor for Cell and Developmental Biology

Department of Cell and Developmental Biology, University of Illinois at Urbana-Campaign, Illinois, USA

Stays at TUM

June – Aug. 2011, June – Aug. 2012

Host

Prof. Dr. Johannes Buchner

Research Interests

Genomics, protein dynamics, protein-nucleic acid interactions, proteomics, regulation of gene expression

Awards / Honors (Selection)

Friedrich Wilhelm Bessel Research Award, Alexander von Humboldt Foundation (2011), Honorary Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2011), Educator of the Year, University of Illinois Alumni Association (2009), Fellow of the American Heart Association (2000 – 2002), Fellow of the Leukemia and Lymphoma Society (1997 – 2000)



USA



Victor J. Hruby

Regents Professor Emeritus

Department of Chemistry and Biochemistry, University of Arizona, Tucson, Arizona, USA

Stay at TUM

Aug. 1999 – July 2000

Host

Prof. Dr. Horst Kessler

Research Interests

Peptide chemistry, biophysics and biology, peptide design and synthesis, asymmetric synthesis, peptide and protein chi space, peptide hormones and neurotransmitters, conformational analysis, drug design, G-Protein coupled receptors, intercellular communication

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2010), Arthur C. Cope Scholar Award, American Chemical Society (ACS, 2009), Ralph F. Hirschmann Award in Peptide Chemistry, American Chemical Society (ACS, 2002), Humboldt Research Award (1999), Merrifield Award in Peptide Chemistry, American Peptide Society (1993)

"I had a wonderful, productive stay at TUM giving talks there and at over 15 other universities and companies and developing new knowledge and ideas in chemical biology. I also had the privilege of giving the Sieman Lecture."

Slovenia



Dusanka Janezic

Head Laboratory for Molecular Modelling

National Institute of Chemistry, Ljubljana, Slovenia

Professor of Mathematics in Natural Sciences

Faculty for Mathematics, Natural Sciences and Information Technology, University of Primorska, Koper, Slovenia

Stays at TUM

Nov. 1986, Oct. – Nov. 1999

Hosts

Prof. Dr. Ludwig Hofacker (1986), Prof. Dr. Ivar Ugi (1999)

Research Interests

Determination of structure in inhomogeneous regions of atomic and molecular liquids and protein dynamics using Monte Carlo simulations, molecular dynamics methods, formalism of BGYB hierarchy of integral equations and RISM formalism of integral equations, development of symplectic integration algorithms for biomolecular simulations and their application to molecular dynamics simulations of macromolecules, graph theory development, prediction of protein-protein binding sites, biomolecular simulations, virtual screening and protein-protein docking

Awards / Honors (Selection)

Zois Award for Outstanding Achievements in Scientific, Research and Development Activities, Republic of Slovenia (2013), Ambassador of Science of the Republic of Slovenia Award (1999), Associate Editor, Journal of Chemical Information and Modeling (ACS Publications)

"It was a great benefit for me to work and study at TUM first as a postdoc and later as a DAAD fellow."



India



Anant Kapdi

Assistant Professor (University Grants Commission – Faculty Recharge Programme)

Institute of Chemical Technology (ICT), Department of Chemistry, Mumbai, India

Stay at TUM

May – July 2013

Host

Prof. Dr. Moniek Tromp

Research Interests

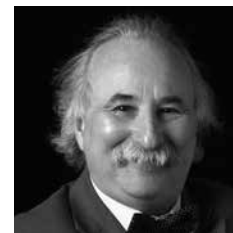
Homogeneous catalysis, natural product synthesis, microwave assisted synthesis, organometallic chemistry

Awards / Honors (Selection)

DST-Inspire Faculty Scheme Award (2012), Alexander von Humboldt Return Fellowship (2012), Humboldt Research Fellowship (2008)

"It was a scientifically very fruitful stay with a collaboration being initiated between TUM and ICT Mumbai."

USA



Evgeny Katz

Milton Kerker Chaired Professor

Department of Chemistry and Biomolecular Science, Clarkson University, Potsdam, New York, USA

Stay at TUM

Dec. 1992 – Nov. 1993

Host

Prof. Dr. Hanns-Ludwig Schmidt

Research Interests

Bioelectronics, bioelectrochemistry, biosensors, biocomputing, biofuel cells, signal-responsive materials

Awards / Honors (Selection)

Ranked 63rd amongst the world's top 100 chemists over the past 10 years indexed by Thomson Reuters in 2011 based on the impact of their published research, ranked 378th in 2010 in the list of top cited chemists worldwide based on his H-index of 60, Kaye Awards for Scientific Innovations, Hebrew University, Israel (2004, 1995), Humboldt Research Fellowship (1993)

"The stay in Germany was very pleasant personally and fruitful professionally. In one year I co-authored ten papers."



Russia



Sergey Ketkov

Professor and Head of Laboratory

G. A. Razuvaev Institute of Organometallic Chemistry,
Russian Academy of Sciences, Nizhnii Novgorod, Russia

Stays at TUM

Jan. 2002 – Mar. 2003, Aug. – Oct. 2006, shorter visits in
2007 and 2009

Hosts

Prof. Dr. Edward W. Schlag, Dr. Heinrich L. Selzle

Research Interests

Electronic structures and spectroscopic properties of
organometallic and coordination compounds

Awards / Honors (Selection)

Humboldt Research Fellowship (2002)

*“My stay at TUM was both pleasant and scientifically
productive. During the research work carried out at
that time the first REMPI and MATI spectra of a wide
number of transition metal sandwich complexes have
been measured.”*

USA

Gary Kinsel

Professor and Chair

Department of Chemistry & Biochemistry, Southern Illinois
University Carbondale, Carbondale, Illinois, USA

Professor of Mathematics in Natural Sciences

Faculty for Mathematics, Natural Sciences and Information
Technology, University of Primorska, Koper, Slovenia

Stay at TUM

Jan. 1990 – Sept. 1991

Hosts

Prof. Dr. Jürgen Grotemeyer, Prof. Dr. Edward Schlag

Research Interests

Mass spectrometry, polymer thin films, biosensors, proton
transfer reactions

Awards / Honors (Selection)

Excellence Through Commitment Undergraduate Teaching
Enhancement Award, Southern Illinois University Carbondale
(2007), Outstanding Teacher of the Year Award, College of
Science, University of Texas at Arlington (2002), Faculty Early
Career Development (CAREER) Award, National Science
Foundation (NSF, 1999), Humboldt Research Fellowship
(1990)

*“Probably one of the most productive and exciting
periods of my professional career. I accomplished many
things and made lots of great friends that I still treasure.
Plus, I fell in love with Munich and have made a habit of
coming back to visit as often as I am able.”*



Greece



Theofanis Kitsopoulos

Professor

Department of Chemistry, University of Crete, Crete, Greece

Affiliated ResearcherInstitute of Electronic Structure and Laser (IESL-FORTH),
Heraklion, Greece**Visiting Professor**Institute of Physical Chemistry, University of Göttingen,
Göttingen, Germany**Stay at TUM**

Sept. 2004 – June 2005

Host

Prof. Dr. Vladimir E. Bondybey

Research Interests

Chemical dynamics, ion imaging, spectroscopy

Awards / Honors (Selection)Humboldt Research Award (2004), Bodossaki Foundation
Science Award (2003), University of California Regents Fellow,
Berkeley (1988 – 1989)

"The opportunity given to me by the Humboldt Foundation was invaluable as it introduced me to the German research environment, strengthened my collaborations with the German scientific community and was the reason for my return in 2012 to Germany once again to pursue further research collaborations on a longer term basis."

China



Dongyang Li

Postdoctoral Assistant Research Fellow

Intelligent Bioindustrial Equipment Innovation Team (Prof. Yibin Ying), College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou, China

Stay at TUM

Jan. – July 2011

Hosts

Prof. Dr. Reinhard Niessner, Prof. Dr. Dietmar Knopp

Research InterestsImmunoassay, biosensor, food safety, magnetic beads,
mycotoxin

"My stay at TUM was very helpful for my research and nice at a personal level, also due to the multi-cultural experience and the international vision that I could develop there."



China



Huanrong Li

Professor

School of Chemical Engineering and Technology, Hebei University of Technology (HEBUT), Tianjin, China

Stay at TUM

July 2003 – Oct. 2004

Host

Prof. Dr. Reiner Anwander

Research Interests

Luminescent material, host-guest, lanthanide, zeolite, ionic liquid

Awards / Honors (Selection)

Humboldt Research Fellowship (2003)

“My stay at TUM was enjoyable and profitable.”

Taiwan



Sheng Hsien Lin

Lifetime Distinguished Chair Professor

National Chiao-Tung University, Hsinchu City, Taiwan

Stays at TUM

Aug. 1979 – July 1980, Jan. – Mar. 1987, May – July 1994 and for many years since 1981 during the summer

Host

Prof. Dr. Edward W. Schlag

Research Interests

Theoretical chemistry, photochemistry, molecular spectroscopies, chemical kinetics

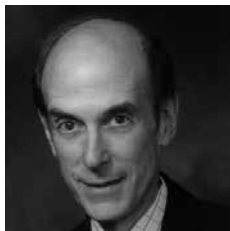
Awards / Honors (Selection)

US Senior Scientist Award, Alexander von Humboldt Foundation (1979 – 1980), Guggenheim Fellowship (1971 – 1973), Alfred P. Sloan Fellowship (1967 – 1969)

“My host at TUM was Prof. Edward William Schlag. He is an experimentalist and I am a theorist, so we have been collaborating since the 1970s. Even now we still publish papers together. Every time I visited TUM Prof. Ludwig Hofacker, also a theorist, always provided an office for me. Before Prof. Schlag retired, I visited him and his group every summer. Even now I still visit TUM quite frequently.”



USA



Stephen J. Lippard

Arthur Amos Noyes Professor of Chemistry

Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA

Stay at TUM

Jan. – Aug. 1988

Host

Prof. Dr. Wolfgang A. Herrmann

Research Interests

Inorganic chemistry, bioinorganic chemistry, neurochemistry, synthesis, reactivity, structure determination of transition complexes, mechanisms of action of platinum anticancer drugs, chemistry and catalysis at diiron, methane mono-oxygenase, zinc and NO signaling at the synapse

Awards / Honors (Selection)

Priestley Medal, American Chemical Society (2014), Linus Pauling Medal (2009), National Medal of Science, USA (2004), Humboldt Research Award (1988)

Spain



José María López de Luzuriaga

Professor of Inorganic Chemistry

Departamento de Química (Área de Química Inorgánica), Facultad de Ciencias, Estudios Agroalimentarios e Informática, Universidad de la Rioja, Logroño, Spain

Stay at TUM

Jan. – Dec. 1996

Host

Prof. Dr. Hubert Schmidbaur

Research Interests

Coordination chemistry, organometallic chemistry, metal-metal interactions, eleven group metals, luminescence

Awards / Honors (Selection)

Humboldt Research Fellowship (1996), Extraordinary Doctorate Prize (1996)

"One of the most formative experiences of my life."



El Salvador

Salvador Antonio López Méndez



Professor of Organic Synthesis, Natural Products, and Industrial Chemical Processes

Department of Chemistry, West Multidisciplinary Faculty,
University of El Salvador, Santa Ana, El Salvador

Stay at TUM

Apr. 1994 – Aug. 1997

Host

Prof. Dr. Dietrich Wabner

Research Interests

Electrochemistry, organic chemistry, synthesis, tissue culture,
chemical reactors, biochemical reactors

Awards / Honors (Selection)

1st Prize of the World Intellectual Property Organization (WIPO) for the Invention: “Green Production Method of Phenol from Benzene”, Geneva and San Salvador (2006), Award “Best Invention in Chemistry” issued by the National Registration Center (NRC) at the “Inventions 2003” (2003), Award “Best Invention in Chemistry” issued by the National Registration Center (NRC) at the “Inventions 2002” (2002)

“Pleasant memories of the lectures of Prof. Dr. Helmut Tiltscher – God rest his soul – who introduced me to the design of chemical reactors and bioreactors, as well as of the working group of Prof. Dr. Dietrich Wabner, who taught me about electrochemical reactors. These experiences are the basis of my research up to this day.”

Israel

Yizhak Marcus



Professor Emeritus of Chemistry

Institute of Chemistry, Hebrew University of Jerusalem,
Jerusalem, Israel

Stay at TUM

July – Sept. 1988

Host

Prof. Dr. Franz Baumgärtner

Research Interests

Chemistry of liquids and solutions

Awards / Honors (Selection)

Humboldt Research Fellowship (1971)

“During my stay at TUM I had very good interactions with my host, with Dr. J. I. Kim, and other members of the Radiochemistry Group.”



USA



Stephen F. Martin

**Professor, M. June and J. Virgil Waggoner Regents
Chair in Chemistry**

Department of Chemistry, The University of Texas at Austin,
Austin, Texas, USA

Stays at TUM

June – Aug. 1995, June – Aug. 1997

Host

Prof. Dr. Horst Kessler

Research Interests

Synthetic organic chemistry, natural products, bioorganic
chemistry, protein-ligand interactions, enzyme inhibitors,
medicinal chemistry

Awards / Honors (Selection)

International Society of Heterocyclic Chemistry (ISHC) Senior
Award (2013), Fellow of American Association for the
Advancement of Science (AAAS, 2005), Wyeth Research
Award (2003), Humboldt Research Award (1995)

"My stay at TUM was very enjoyable and productive."

USA



William H. Miller

**Kenneth S. Pitzer Distinguished Professor
Emeritus of Chemistry**

Department of Chemistry, University of California, Berkeley,
Berkeley, California, USA

Stay at TUM

July 1981 – July 1982

Host

Prof. Dr. G. Ludwig Hofacker

Research Interests

Chemical dynamics, semiclassical approximations to
quantum mechanics

Awards / Honors (Selection)

Ahmed Zewail Prize in Molecular Sciences (2010), Welch
Award in Chemistry (2007), Hirschfelder Prize in Theoretical
Chemistry (1996), Humboldt Research Award (1981)

*"It was a most enjoyable year in Munich, both
professionally and personally. My daughters were in the
4th and 6th grade in local schools (Alte Heide and Willi
Graf), and even today they are still quite fluent in
German."*



France



Sylvain Nlate

Associate Professor

Institute of Chemistry & Biology of Membranes & Nanoobjects, Department of Physical Chemistry, Université de Bordeaux, Bordeaux, France

Stay at TUM

Jan. 1995 – Oct. 1996

Hosts

Prof. Dr. Wolfgang. A. Herrmann, Prof. Dr. Roland A. Fischer

Research Interests

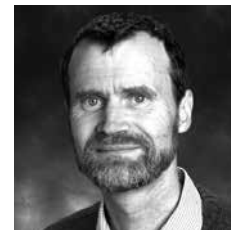
Dendritic polyoxometalate (POM) hybrids and their use in catalysis, including asymmetric catalysis, self assembled nano-polyoxometalate catalysts and asymmetric catalysis

Awards / Honors (Selection)

Journal Grant for International Authors (Royal Society of Chemistry, 2004), Hubert Curien Grant, Tel-Aviv, Israel (2004), Humboldt Research Fellowship (1995 – 1996)

"I spent excellent moments at TUM. The Alexander von Humboldt grant was a great opportunity for me to join one of the best institutes of inorganic and organometallic chemistry in the world. My research experience was successful with five publications, including one in Angewandte Chemie. To resume, my stay at TUM was just one of my best work experiences, with excellent supervisors."

Australia



Gottfried Otting

Professor

Research School of Chemistry, Australian National University (ANU), Canberra, Australia

Stay at TUM

Jan. – July 2010

Hosts

Prof. Dr. Steffen Glaser, Prof. Dr. Michael Sattler

Research Interests

Method development for structural biology and drug discovery

Awards / Honors (Selection)

Humboldt Research Award (2010), Honorary Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2009), Wallmarkska Prize of the Royal Swedish Academy of Sciences (1996), Latsis Prize of the ETH-Zürich (1992)

"There are few places where NMR spectroscopy is taught as well as at TUM."



Italy



Gianfranco Pacchioni

Full Professor of Solid State Chemistry and Vice Rector for Research

Università Milano Bicocca, Dipartimento di Scienza dei Materiali, Milan, Italy

Stays at TUM

May – Oct. 1993, July – Sept. 1994, July – Sept. 1995

Host

Prof. Dr. Notker Rösch

Research Interests

Theory of chemisorption, electronic structure of oxide surfaces and bulk materials, defects in oxides, supported nanoparticles, heterogeneous catalysis

Awards / Honors (Selection)

Humboldt Research Award (2005), Premio Nazionale Federchimica “Per un futuro intelligente” (1996), Gold Medal “Raffaello Nasini”, Società Chimica Italiana (1994)

“It has been a very successful and pleasant stay both on the professional and personal sides.”

France



Rinaldo Poli

Professor

École Supérieure des Ingénieurs en Arts Chimiques et Technologique (ENSIACET), University of Toulouse, Toulouse, France

Stay at TUM

Aug. 1993 – July 1994

Host

Prof. Dr. Wolfgang A. Herrmann

Research Interests

Effects of the spin state in organometallic reactivity, hydrides and dihydrogen complexes, controlled radical polymerization, high oxidation state aqueous organometallic chemistry and oxidation catalysis, homogeneous catalysis: intermolecular hydroamination of non-activated olefins, chiral ligands, their coordination chemistry and catalytic applications

Awards / Honors (Selection)

Senior Member of the “Institut Universitaire de France” (renewal 2012 - 2017), Senior Award of the “Interdivisional Group of Organometallic Chemistry” of the Italian Chemical Society (2010), Senior Award of the “Division of Coordination Chemistry” of the French Chemical Society (2010), Humboldt Return Fellowship (2008), Humboldt Research Fellowship (1993)

“My stay allowed me to establish ties with several German scientists, to participate in the research of the host group through the co-supervision of one Ph.D. student (two joint publications have resulted therefrom), and to become acquainted with the German language and culture.”



Israel



Eli Pollak

Professor and Chair

Chemical Physics Department, Weizmann Institute of Science, Rehovot, Israel

Stays at TUM

Oct. – Nov. 2012, Oct. – Nov. 2013

Host

Prof. Dr. Mathias Nest

Research Interests

Theoretical chemistry, molecular dynamics, quantum, semiclassical and classical mechanics, rate theory, surface scattering, photochemistry, nonradiative transitions, photoinduced cooling

Awards / Honors (Selection)

Humboldt Research Award (1996), Fellow of the American Physical Society (APS, 1995)

“Joint research on the semiclassical theory of correlated electron systems; coherent control method for obtaining eigenvalues and eigenfunctions of large systems.”

USA



Charles Kirkham Rhodes

The Albert A. Michelson Professor of Physics and Director

Laboratory for X-Ray Microimaging and Bioinformatics, Department of Physics (m/c 273), University of Illinois at Chicago, Chicago, Illinois, USA

Stays at TUM

1991 – 1992, Feb. – July and Nov. 1993, Jan. – Mar. and Oct. – Nov. 1994

Host

Prof. Dr. Edward W. Schlag

Research Interests

High power density states of matter, x-ray amplification, particle physics, cosmology, number theory

Awards / Honors (Selection)

UIC Inventor of the Year Award (2000), Thomas A. Murphy University Scholar, University of Illinois at Chicago (1994 – 1995) Humboldt Research Award (1992), Individual Achievement Award, Lasers & Electro-Optics Society (1989)

“During my stay at TUM, a fundamentally new concept concerning the achievement of x-ray amplification was invented. Actually, the key insight appeared suddenly at the old BESSY Speicherring in Berlin during a visit to that facility and written out there in less than two hours. This idea has rolled forward non-stop for more than 20 years, yielded an abundance of truly superior results, and points persuasively to its future extension into the gamma-ray region. Hence, the good news in 1992 from TUM/AvH in Garching continues to play.”



India



Upkar Sadana

Professor and Head

Department of Soil Science

DirectorCAFT in Soil Science, Punjab Agricultural University,
Ludhiana, India**Stay at TUM**

Nov. 1992 – Dec. 1993

Host

Prof. Dr. Norbert Claassen

Research Interests

Nutrient efficiency mechanisms in wheat and rice cultivars, nutrients dynamics in rhizosphere of different crop species, efficient management of micronutrients deficiency in rice – wheat cropping system

Awards / Honors (Selection)

International Zinc Association-FAI Award on promoting the use of zinc in Indian Agriculture (2012), S.N. Ranade Memorial Award for Excellence in Micronutrients Research (2000-2001), Humboldt Research Fellowship (1992), Indian Science Congress Association Pran Vohra Award for Young Scientists for significant research work in the field of Agricultural Sciences (1989)

"I enjoyed my stay and working at TUM and was able to develop new simple methods to study oxidizing power of rice roots using oxidation of Fe in the rhizosphere for screening rice varieties suitable for Fe toxic and Fe deficient soils. My students in India are working on these topics."

Poland

Andrzej Ludwik
Sobolewski**Professor of Physics**Institute of Physics, Polish Academy of Sciences, Warsaw,
Poland**Stays at TUM**July 1985 – Nov. 1986, Sept. – Nov 1987, Aug. – Oct. 1990,
Jan. – Feb. 1992**Hosts**

Prof. Dr. Edward W. Schlag, Prof. Dr. Wolfgang Domcke

Research Interests

Electronic structure of excited states, phototoinduced chemical reactions, electron transfer, proton transfer, radiationless decay, photoisomerization

Awards / Honors (Selection)

Elected Member of the Polish Academy of Sciences (2013), Smoluchowski-Warburg Medal of the German and Polish Physical Societies (2009), Copernicus Award of DFG and FNP (together with Professor Wolfgang Domcke, TUM, 2008), Humboldt Research Fellowship (1985)

"About one hundred common research papers published in over a quarter of a century of collaboration is the best compliment on the quality of our relations."



Japan



Kenkichi Sonogashira

Professor Emeritus

Osaka City University, Osaka, Japan

Stay at TUM

Dec. 1966 – Nov. 1967

Host

Prof. Dr. Ernst Otto Fischer

Research Interests

Organometallic chemistry, organic chemistry, inorganic chemistry, discoverer of the Sonogashira coupling

Awards / Honors (Selection)

Humboldt Research Fellow (1966)

"My study at TUM was very useful to my later life. I am very grateful to Professor Ernst Otto Fischer."

USA



Andrew Streitwieser

Professor Emeritus

Department of Chemistry, University of California, Berkeley, Berkeley, California, USA

Stays at TUM

Jan. – July 1976, varying lengths of time during summers in succeeding years

Hosts

Prof. Dr. Ivar Ugi, Prof. Dr. Notker Rösch

Research Interests

Computational organic chemistry, acidity and basicity, enolate ions, ions and ion pairs

Awards / Honors (Selection)

Roger Adams Award (2009), Corresponding Member, Bayerische Akademie der Wissenschaften (1993), Cope Scholar Award (1989), Humboldt Research Award (1976)

"In 1976 I was associated mostly with Professor Ugi and with Johann Gasteiger, but I met and interacted with Notker Rösch. We collaborated on a research project that involved several trips to TUM (and visits of Rösch to Berkeley) during succeeding summers and led to several joint publications."



France



Dominique Sugny

Associate Professor

Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB),
Université de Bourgogne, Dijon, France

Stay at TUM

Jan. – June 2012

Host

Prof. Dr. Steffen J. Glaser

Research Interests

Optimal control theory, nuclear magnetic resonance, quantum control

Japan



Yoshitaka Tanimura

Professor

Department of Chemistry, Kyoto University, Kyoto, Japan

Stay at TUM

Aug. – Sept. 2012

Host

Prof. Dr. Wolfgang Domcke

Research Interests

Quantum dissipative dynamics, theory of nonlinear spectroscopy

Awards / Honors (Selection)

Humboldt Research Award (2012)

"Excellent!"



India

Venkatesan Thimmakondur



Assistant Professor

Department of Chemistry, Birla Institute of Technology and Science (BITS), Goa Campus, Pilani, India

Stay at TUM

Mar. 2008 – Sept. 2010

Host

Prof. Dr. Wolfgang Domcke

Research Interests

Quantum chemistry of radicals, excited electronic states, vibronic coupling and molecular spectroscopy

Awards / Honors (Selection)

Humboldt Research Fellowship (2008), CSIR Senior Research Fellow (2006), UGC UPE Doctoral Fellow (2004)

“Working at TUM was one of the most enjoyable experiences in my academic career. Regular interaction with my host, Prof. Dr. Domcke, and other colleagues in the department gave me a comprehensive knowledge and visibility in my own field. Of course, a well developed infrastructure and most organized supportive staff at TUM made my life much easier in a foreign land.”

USA

Terry Don Tilley



Professor of Chemistry

University of California, Berkeley, Berkeley, California, USA

Stays at TUM

June – Aug. 2000, June – July and Sept. 2001, May – July 2002

Host

Prof. Dr. Hubert Schmidbaur

Research Interests

Synthetic and mechanistic inorganic, organometallic, silicon, and materials chemistry, coordination polymerizations, polymer synthesis and organic electronic materials, molecular precursors to solid state materials and nano-structures, heterogeneous and homogeneous catalysis, solar energy conversions to chemical fuels

Awards / Honors (Selection)

Award for Distinguished Service in the Advancement of Inorganic Chemistry, American Chemical Society (ACS, 2014), Fellow, American Academy of Arts and Sciences (AAAS, 2013), Frederic Stanley Kipping Award in Silicon Chemistry, American Chemical Society (ACS, 2008), Humboldt Research Award (1998)

“My stay at TUM resulted in long-lasting friendships and professional relationships with German scientists. It gave me a much greater appreciation for the quality and unique perspective of the German chemical community, and in particular the strengths of TUM.”



China



Jian-Qiang Wang

Professor and Deputy Director

Center for Thorium Molten Salt Reactor System, Shanghai Institute of Applied Physics (SINAP), Chinese Academy of Sciences, Shanghai, China

Stay at TUM

Jan. 2007 – Dec. 2009

Host

Prof. Dr. Thomas. F. Fässler

Research Interests

Hybrid energy system, energy material and chemistry

Awards / Honors (Selection)

Humboldt Research Fellowship (2007)

"I stayed at TUM for three years in a postdoctoral position in the chemistry department. It is was a crucial experience for my career. I did cluster synthesis research in TUM. Although I changed my research interest from cluster chemistry to energy chemistry since then, the methods and thinking I was confronted with at TUM are still useful for my current job."

China



Mei Wang

Professor

State Key Laboratory of Fine Chemicals, DUT-KTH Joint Education and Research Center on Molecular Devices, Dalian University of Technology (DUT), Dalian, China

Stays at TUM

July 1989 – Feb. 1991, July – Dec. 1992

Host

Prof. Dr. Wolfgang A. Herrmann

Research Interests

Chemical mimics of hydrogenases, 2. photo- and electro-catalytic water splitting and hydrogen production with nonprecious metal-based catalysts

"The experience at TUM is a very happy memory for me. It gave me a chance not only to acquire more knowledge in chemistry, but also to open my eyes onto a broader world. I can never forget the time I stayed in Germany and the friends who helped me a lot there."



USA



Robert West

Professor Emeritus

Department of Chemistry, University of Wisconsin-Madison, Madison, Wisconsin, USA

Founder and President

Silatronix Inc., Madison, Wisconsin, USA

Stays at TUM

Sept. – Dec. 1960, Sept. – Nov. 1971, Oct. – Nov. 1990, June 1992, June – July 1996

Host

Prof. Dr. Hubert Schmidbaur

Research Interests

Chemistry of silylenes, R₂Si, and germylenes, R₂Ge, organo-silicon electrolytes for lithium batteries and supercapacitors, muon spin resonance, spectroscopy of silicon, germanium and phosphorus compounds, synthesis and investigation of silicon-containing drug molecules, synthesis of highly fluorescent silole compounds

Awards / Honors (Selection)

WCU Distinguished Professor, Yonsei University, Seoul, South Korea (2009), Main Group Chemistry Award (2003), Humboldt Research Award (1989), Kipping Award, American Chemical Society (ACS, 1970)

"My visits there have been of tremendous value, providing opportunities for me to meet and work with chemists throughout Germany."

Poland



Piotr Paweł Wieczorek

Professor and Dean

Division of Analytical and Ecological Chemistry, Faculty of Chemistry, Opole University, Opole, Poland

Stays at TUM

July – Sept. 1995, Feb. – Mar. 1996, July 2004

Host

Prof. Dr. Walter Nitsch

Research Interests

Transport mechanisms of organic compounds through liquid membranes, separation and preconcentration of organic compounds, sample preparation of xenobiotics using supported liquid membranes (SLM) and solid phase extraction (SPE) prior to further analysis, determination of xenobiotics in environment and food samples, separation of enantiomers and determination of their optical purity, investigation of biological activity of allelochemicals, phosphoorganic compounds and other xenobiotics, isolation and structure determination of natural products, biodegradation of xenobiotics

Awards / Honors (Selection)

Polish Ministry of Education Scientific Awards (2002, 1989 and 1983), Polish Chemical Society Kemula's Scientific Award (1998), Medal of the National Educational Council (1995)

"Very efficient and good time, both from the scientific and personal sides."



Turkey



Yusuf Yagci

Professor

Department of Chemistry, Faculty of Science and Letters,
Istanbul Technical University, Istanbul, Turkey

Stays at TUM

Apr. – June 2001, Apr. – June 2003

Host

Prof. Dr. Oskar Nuyken

Research Interests

Polymer synthesis, polymer modifications, functional polymers, photopolymerization, macromolecular architecture, advanced polymers

Awards / Honors (Selection)

Science Award, Turkish Scientific and Technological Council (Tubitak, 1994), International Award, The Society of Polymer Science (JSPS, 2008), Comstech International Chemistry Award, OIC Ministerial Standing Committee on Scientific and Technological Cooperation (2011), Humboldt Research Fellowship (1986)

"Although it was a short period, I consider my stay at TUM as a fortunate time of my academic life. Scientifically we had several important publications and one chapter in the Encyclopedia of Polymer Science in the field of synthetic polymer chemistry as a result of fruitful collaboration. Every Thursday afternoon we used to play soccer with the members of the group. I still keep in my office the soccer ball signed by all the group members. My wife and daughter enjoyed the beautiful city of Munich. I thank Prof. Nuyken once more for facilitating such wonderful stay."

Japan and USA



Hisashi Yamamoto

Director

Molecular Catalyst Research Center, Chubu University,
Kasugai, Japan

Professor Emeritus

The University of Chicago, Chicago, Illinois, USA

Professor Emeritus

Nagoya University, Nagoya, Japan

Stays at TUM

Sept. 2007, June 2008

Host

Prof. Dr. Thorsten Bach

Research Interests

Organic synthesis, asymmetric synthesis, Lewis acid catalysis, Brønsted acid catalysis, catalytic asymmetric oxidation

Awards / Honors (Selection)

Award for Creative Work in Synthetic Organic Chemistry, American Chemical Society (ACS, 2009), The Japan Academy Award (2007), Humboldt Research Award (2007), Tetrahedron Prize (2006)



China



Wei-Bing Zhang

Associate Professor

School of Physics and Electronic Sciences, Changsha University of Science and Technology (CSUT), Changsha, China

Stay at TUM

Sept. 2010 – Sept. 2011

Host

Prof. Dr. Karsten Reuter

Research Interests

Density functional theory, surface morphology, strong electronic correlations

Awards / Honors (Selection)

Humboldt Research Fellowship (2009), Boosteel Educational Outstanding Student Award

“At TUM, I lived the life that I wanted.”

China



Xiangge Zhou

Professor of Chemistry

College of Chemistry, Sichuan University, Chengdu, China

Stays at TUM

Mar. 2002 – July 2003

Hosts

Prof. Dr. Wolfgang A. Herrmann, Prof. Dr. Fritz E. Kühn

Research Interests

Organometallic chemistry, coordination chemistry

Awards / Honors (Selection)

Chinese Education Ministry's Program for New Century Excellent Talents in University (2010), Sichuan Provincial Outstanding Youth Foundation (2008), Humboldt Research Fellowship (2002)

“I have precious memories of my stay at TUM. It was not only beneficial to my academic career, but also to my life back in my homeland.”



China



Jinglin Zuo

Director

State Key Laboratory of Coordination Chemistry, Nanjing University, Nanjing, China

Stays at TUM

July 2000 – Nov. 2001, July 2010, July 2013

Hosts

Prof. Dr. Wolfgang A. Herrmann, Prof. Dr. Fritz E. Kühn

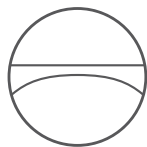
Research Interests

Magnetic, conductive and multifunctional molecular materials relating to information storage, metal-metal bonding complexes and molecular wires, nitrogenase and the mechanism for the activation of nitrogen-molecule

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2013), Cheung Kung Scholar of Ministry of Education, China (2009), Distinguished Young Scholar from the National Natural Science Foundation of China (2007), The Second Class National Natural Science Award, China (2004)

Civil, Geo and Environmental Engineering





Saudi Arabia

Awad Abdel-Rahman El-Hafian



University Professor

Geography Department, King Khalid University (KKU), Abha, Saudi Arabia

Stay at TUM

Oct. 1992 – Oct. 1994

Host

Prof. Dr. Günter Heinritz

Research Interests

Arid lands ecosystems, marine physical geography

Awards / Honors (Selection)

Aden University Prize for Scientific Research (2012, 2008, 2002), Yemen President Prize for Publication (2004)

"I really enjoyed my stay at TUM. All the members of the Geographic Institute were very kind and friendly. I am very grateful to them as well as to the Humboldt Foundation for sponsoring my visit there."

Turkey

Orhan Altan



Professor of Photogrammetry and Remote Sensing

Department of Geomatics, Civil Engineering Faculty, Istanbul Technical University, Istanbul, Turkey

Stay at TUM

Dec. 2007 – Feb. 2008

Host

Prof. Dr. Thomas Wunderlich

Research Interests

Photogrammetry, remote sensing, environmental sustainability, disaster management

Awards / Honors (Selection)

Academician at the International Academy of Astronautics (2012), Dolezal Award (1996), Humboldt Research Fellowship (1978)

"I was very much impressed by the collegial cooperation and facilities of the department. I have had a good impression especially staying close to the University area and also close to the city. Several joint research ideas were the outcomes of my stay."



USA



Roger E. A. Arndt

Professor Emeritus

Saint Anthony Falls Laboratory, University of Minnesota,
Minneapolis, Minnesota, USA

Stays at TUM

Sept. 1989 – Aug. 1990, June – Sept. 1994

Host

Dr. Andreas Keller

Research Interests

Cavitation, wind turbine technology, fluid dynamics

Awards / Honors (Selection)

ASME Fluids Engineering Award (1993), Humboldt Research
Award (1989), Lorenz G. Straub Award (1968), Fellow of the
American Physical Society (APS)

*“My two stays at Obernach were one of the most
rewarding experiences and truly a highpoint in my career.
Not only was my technical collaboration of lasting value,
resulting in numerous publications, but the friendships
that were developed continue to this day.”*

Egypt and Malaysia



Hassan Baioumy

Associate Professor

Minerals Technology Department, Central Metallurgical
Research and Development Institute (CMRDI), Helwan,
Cairo, Egypt

Associate Professor

School of Physics (Geophysics), Universiti Sains Malaysia
(USM), Pulau Pinang, Malaysia

Stay at TUM

May 2008 – Nov. 2009

Host

Prof. Dr. Hans Albert Gilg

Research Interests

Geology, mineralogy, geochemistry, mineral deposits

Awards / Honors (Selection)

Humboldt Return Fellowship (2010 – 2011), Humboldt
Research Fellowship (2008), Junior Scientific Visit Program
(Postdoctoral Fellowship), Woods Hole Oceanographic
Institute, USA (2004), grant from the Japanese Ministry of
Education, Culture and Sports (MONBUSHO) for a PhD
program at the University of Tokyo (1997 – 2001)

*“I have enjoyed my stay at TUM and I consider this period
as one of the most profitables in my life.”*



Croatia



Vlado Cetl

Associate Professor

Faculty of Geodesy, University of Zagreb, Zagreb, Croatia

Stay at TUM

Sept. 2004 – Jan. 2005

Host

Prof. Dr. Thomas Wunderlich

Research Interests

Cadastre, land information systems, geoinformation, GIS, spatial data infrastructure, risk management

Awards / Honors (Selection)

Acknowledgment for Helping in Implementation of GIS for Zagreb City Office of Emergency Management (2011, 2010), 3rd Prize Competition of Croatian Standards Institute – 15 years challenge (2008)

“Excellent research experience in a pleasant and very supportive environment.”

Canada



Thian Gan

Professor of Water Resources Engineering

Natural Resources Engineering Facility, University of Alberta, Edmonton, Alberta, Canada

Stay at TUM

Apr. 2006 – Mar. 2007

Host

Prof. Dr.-Ing. Theodor Strobl

Research Interests

Cryosphere, satellite data, hydrology, hydroclimatology, climate change

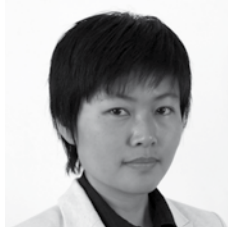
Awards / Honors (Selection)

Issac Manasseh Meyer Fellowship, National University of Singapore, Singapore (2014), Rossby Fellowship, Stockholm University, Sweden (2012), Erskine Fellowship, University of Canterbury, New Zealand (2011)



Hong Kong

Sylvia He



Assistant Professor

Department of Geography and Resource Management, The Chinese University of Hong Kong (CUHK), New Territories, Hong Kong

Stay at TUM

June 2011 – Jan. 2012

Host

Prof. Dr.-Ing. Gebhard Wulforst

Research Interests

Transportation planning and policy, travel behavior, land use and accessibility, urban economics

Awards / Honors (Selection)

John Dyckman Award for Best Dissertation in Planning, USC Sol Price School of Public Policy (2013), Dwight David Eisenhower Transportation Fellowship, Federal Highway Administration, US Department of Transportation (2010, 2009), Myra L. Frank Memorial Graduate Scholarship (First Place), Women's Transportation Seminar (WTS), Los Angeles County Chapter (2009)

Spain

Guillermo
Iñiguez-González



Assistant Professor

Escuela Técnica Superior de Ingenieros de Montes, Universidad Politécnica de Madrid-UPM, Madrid, Spain

Stay at TUM

June – Sept. 2006

Host

Prof. Dr.-Ing. Stefan Winter

Research Interests

Structural design and use of timber products, nondestructive testing and evaluation methods for wood materials and structures

"My research stay at TUM was very interesting and productive. I had problems finding an accommodation, however a university colleague of Polish origin helped me with that. Overall, Munich is a great place and TUM is an excellent university."



South Africa



Johan W. Joubert

Associate Professor

Department of Industrial and Systems Engineering, Centre of Transport Development, University of Pretoria, Pretoria, South Africa

Stay at TUM

Jan. – Oct. 2011

Host

Prof. Dr. Gebhard Wulfhorst

Research Interests

Agent-based modelling, operations research, mobility transport modeling

Awards / Honors (Selection)

Southern African Institute for Industrial Engineering (SAIIE)
President's Award (2007)

India



Tapas Karmaker

Assistant Professor

Civil Engineering Department, Thapar University, Patiala, India

Stay at TUM

Sep. 2005 – May 2006

Host

Prof. Dr-Ing. Theodor Strobl

Research Interests

Fluvial hydraulics, river bank erosion, seepage erosion, remote sensing application

"Exciting research experience."



Civil, Geo and Environmental
Engineering

Poland



Jakub Kolecki

Assistant Professor

Department of Mining Surveying and Environmental
Engineering, AGH University of Science and Technology,
Kraków, Poland

Stay at TUM

Feb. – June 2009

Host

Prof. Dr.-Ing. Uwe Stilla

Research Interests

Photogrammetry, direct geo-referencing, inertial
measurements, GNSS, mobile mapping systems

Awards / Honors (Selection)

DIAMENTY AGH, best faculty's master thesis (2008)

*"My visit at TUM was the best time of my whole PhD
study. I very much appreciated working at my research
project there. And I'll never forget the coffee breaks and
the Augustiner Beer."*

Germany



Claus Lange

Professor of Mathematics/Stochastics

Faculty of Informatics / Mathematics, Dresden University of
Applied Sciences, Dresden, Germany

Stay at TUM

July – Dec. 1991

Host

Prof. Dr. Rüdiger Rackwitz

Research Interests

Reliability theory, first excursion failure, stochastic processes
and random fields

Awards / Honors (Selection)

Humboldt Research Fellowship (1991)

*"Best working conditions, excellent support, interesting
research field, very pleasant and helpful colleagues and a
beautiful town and countryside."*



Brazil

Antonio Carlos Reis Laranjeiras



Professor Emeritus

Structures and Construction Department, College of Engineering, Federal University of Bahia, Salvador, Brazil

Stay at TUM

Oct. 1959 – June 1961

Host

Prof. Dr.-Ing. Hubert Rüschi

Research Interests

Structural concrete, materials and structures

Awards / Honors (Selection)

Structural Engineer of the Year, The Institution of Structural Engineers (2008), Honorary Member of the Brazilian Association of Structural Engineering (2002), Honorary Member of the Brazilian Concrete Institute

Taiwan

Meng-Chieh Jeffrey Lee



Assistant Professor

Department of Interior Design, National Taichung University of Science and Technology (NTCUST), Taichung, Taiwan

Stay at TUM

Sept. 2005 – Aug. 2006

Host

Prof. Dr.-Ing. Gerd Hauser

Research Interests

Energy saving and renewable energy, indoor environments quality, indoor climate control and renovation design, preservation of historic monuments and preventive conservation, water supply and drainage system, green and sustainable building

Awards / Honors (Selection)

Creative Invention Award, Taiwan Ministry of Education (2012), The National Golden Award for Architecture (2009), DAAD Scholarship (2005 – 2006)

"During my PhD thesis in architecture I stayed at TUM and studied at the Fraunhofer Institute for Building Physics (IBP) because of Prof. Dr.-Ing. Gerd Hauser and Prof. Dr.-Ing. Klaus Sedlbauer. There I worked in the areas of Hygrothermics and Indoor Environment. This experience taught me not only how to use computer software WUFI for building environment simulation and evaluation, but also to measure the indoor climate factors and analyze the control methods. Following these experiences, I still work in these fields."



China



Weihua Li

Professor

Institute of Oceanology, Chinese Academy of Sciences,
Beijing, China

Stay at TUM

Mar. – Sept. 2011

Host

Dipl.-Ing. Sylvia Keßler

Research Interests

Corrosion and protection for reinforced concrete

“TUM is a cradle of science and technology and it brought me inspiration and feelings of pleasure.”

Australia



Robert Melchers

Professor of Civil Engineering

Centre for Infrastructure Performance and Reliability,
The University of Newcastle, Callaghan, Australia

Professorial Fellow

Australian Research Council, Australia

Stay at TUM

Jan. – Sept. 1980

Hosts

Prof. Dr.-Ing. Gerhart I. Schuëller,
Prof. Dr.-Ing. Rüdiger Rackwitz

Research Interests

Structural reliability, corrosion, failure investigations

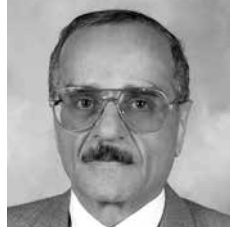
Awards / Honors (Selection)

John Connell Gold Medal, Engineers Australia (2013), Jin S. Chung Award, International Society of Offshore and Polar Engineers (ISOPE, 2012), Corrosion Medal, Australasian Corrosion Association (ACA, 2009), Humboldt Research Fellowship (1980)

“It was a very interesting and invigorating period of time when I was starting on what turned out to be a major career in structural reliability that then led eventually to the current work on marine corrosion. I learnt a lot from both hosts and developed life-long friendships with them, even though we never actually wrote anything scientific jointly. Also developed friendships with others in the research groups. Moreover, I learnt a lot about the German university system and the very positive attitude to higher education and research. My stay at TUM was made possible by a Humboldt Fellowship.”



Jordan



Elias Salameh Numan

Professor of Hydrogeology and Hydrochemistry

Department of Environmental and Applied Geology, Faculty of Science, University of Jordan, Amman, Jordan

Stay at TUM

1968 – 1974

Host

Prof. Dr. Karl-Ernst Quentin

Research Interests

Water resources in their different aspects: groundwater, water chemistry, water resources, pollution, water strategies

Awards / Honors (Selection)

Verdienstorden der Bundesrepublik Deutschland 1. Klasse (2006)

“My stay at TUM was the most important scientific and cultural phase of my life.”

Canada



A. Cristian Suteanu

Associate Professor and Chair

Department of Environmental Science, Saint Mary's University, Halifax, Nova Scotia, Canada

Stay at TUM

May – July 2001

Host

Prof. Dr. Jörn H. Kruhl

Research Interests

Nonlinear systems analysis and modeling, climate variability, arctic climate, volcanic seismicity, information science

Awards / Honors (Selection)

Radu Botezatu Award (Geoscience Award), Romanian Academy of Scientists (2006), Sabba S. Stefanescu Medal, National Romanian Committee of Geodesy and Geophysics of the Romanian Academy and the Romanian Society of Geophysics (1994)

“This stay represented a wonderful opportunity to work with my collaborator on a very interesting research project regarding the detection and characterization of patterns subject to successive stages of change in geologic features.”



Turkey



Aysenur Ugurlu

Professor

Environmental Engineering Department, Hacettepe University,
Ankara, Turkey

Stay at TUM

Sept. – Nov. 1999

Host

Prof. Dr. Peter Wilderer

Research Interests

Energy production from wastes, biological nutrient removal,
water pollution control

South Africa



Ernst Uken

Professor and Head

Energy Institute, Cape Peninsula University of Technology,
Cape Town, South Africa

Stay at TUM

Oct. 1975 – Apr. 1976

Host

Prof. Dr. Paula Hahn-Weinheimer

Research Interests

Renewable energy, solar energy, energy efficiency, demand
side management

Awards / Honors (Selection)

Acting Chair of the African-German Network of Excellence in
Science (AGNES, 2009), Fraunhofer Institute for Solar Energy
Systems, Freiburg (1992), Humboldt Research Fellowship
(1975)

*“Munich is my second home with wonderful social
experiences. In the research field the TUM staff and
students were most accommodating. Meaningful
research could be done, preventing pollution of the
Isar River, flowing through the campus.”*



USA



Vukan R. Vuchic

**UPS Foundation Professor Emeritus
of Transportation Engineering**

Department of Electrical and Systems Engineering, School
of Engineering and Applied Science

Professor of City and Regional Planning

University of Pennsylvania, Philadelphia, Pennsylvania, USA

Stays at TUM

1972, 1973, 1989, 1998, Sept. – Nov. 2009

Hosts

Prof. Dr. Hartmut Keller, Prof. Dr. Gebhard Wulfhorst, Prof. Dr.
Fritz Busch

Research Interests

Transportation systems engineering, urban transportation
policies and planning, public transportation systems
characteristics, planning, design and operations, city and
regional planning

Awards / Honors (Selection)

Honorary Doctorate, Conservatoire National des Arts et
Metiers (CNAM, 2011), Foreign Member, Serbian Academy of
Sciences and Arts (1994), First Recipient of the “Dr. Friedrich
Lehner Medal” (1982)

*“Seit 1972, also seit mehr als 40 Jahren, bin ich immer
froh mit meinen Kollegen und Studenten an der TUM in
Kontakt zu sein. Mein Sabbatical im Herbst 2009, in dem
ich weitere Kontakte entwickelte und das Leben in der
lebenswürdigen Stadt München genießen konnte, bleibt
in besonders angenehmer Erinnerung.”*

Australia



Christopher J. L. Wilson

Adjunct Professor

School of Geosciences, Monash University, Clayton, Australia

Stays at TUM

Different visits in 2008 and 2009

Host

Prof. Dr. Jörn H. Kruhl

Research Interests

Structural geology, economic geology, glaciology, tectonics

Awards / Honors (Selection)

Fellow of the Geological Society of America (GSA)

*“It was great to interact with TUM students and have
them coming to use my Fabric Analyser facilities in
Melbourne, Australia.”*

Electrical
Engineering
and Information
Technology





Australia



Brian D. O. Anderson

Distinguished Professor

College of Engineering and Computer Science, Australian National University (ANU), Canberra, Australia

Distinguished Researcher

National Information and Communications Technology Australia (NICTA), Sydney, Australia

Stays at TUM

Sept. 2011, Sept. 2012

Host

Prof. Dr.-Ing. Sandra Hirche

Research Interests

Multi-agent systems, cooperative control, sensor networks, econometric modelling

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2010), IEEE James H. Mulligan Jr. Education Medal (2001), IEEE Control Systems Award (1997)

Sweden



John Anderson

Professor in Digital Communication

Electrical and Information Engineering Department, Lund University, Lund, Sweden

Stays at TUM

1991 – 1992, 1995 – 1996

Host

Prof. Dr.-Ing. Joachim Hagenauer

Research Interests

Error correction codes, wireless communication, information theory, signal processors

Awards / Honors (Selection)

IEEE Third Millennium Award (2000), Swedish National Visiting Chair in Information Technology (1996), Humboldt Research Award (1991), IEEE Life Fellow (1987)

“A fascinating introduction to German culture in everyone’s favorite German city. Many new research directions opened.”



Portugal



João Barros

Associate Professor

Electrical and Computer Engineering, University of Porto,
Porto, Portugal

Founding Director

Institute for Telecommunications (IT), Porto, Portugal

Stay at TUM

Oct. 1999 – Nov. 2004

Host

Prof. Dr. Joachim Hagenauer

Research Interests

Coding techniques, communication networks,
communications, complexity and cryptography,
shannon theory, source coding

Awards / Honors (Selection)

BES Innovation Grand Prize (2012), IEEE Comsoc and IT
Society Joint Paper Award (2011), IEEE Communications
Society Young Researcher Award (EMEA, 2010)

India



Dipak Kumar Basu

Professor Emeritus

Computer Science and Engineering Department, Jadavpur
University, Kolkata, India

Stay at TUM

Feb. 1975 – Jan. 1976

Host

Prof. Dr. Theodor Einsele

Research Interests

Artificial intelligence, biomedical signal processing, image
processing and multimedia

Awards / Honors (Selection)

Humboldt Research Fellowship (1977), Emeritus Fellow of
AICTE (All India Council for Technical Education)



Australia



Thomas Bräunl

Professor

School of Electrical and Computer Engineering,
Computational Intelligence Information Processing Systems,
University of Western Australia (UWA), Perth, Australia

Stays at TUM

Aug. 2006 – Feb. 2007, Sept. – Dec. 2011

Hosts

Prof. Dr. Georg Färber, Prof. Dr. Klaus Diepold

Research Interests

Electromobility, autonomous vehicles, embedded systems,
intelligent robotics

Awards / Honors (Selection)

Associate Editor and Member of the Editorial Board,
International Journal of Social Robotics (Springer-Verlag),
Member of IEEE Computer Society's Technical Committee
on Parallel Processing, Member of IEEE Robotics and
Automation Society's Technical Committee on Marine
Robotics

*"I had a wonderful time at TUM in München. It was
inspiring working in a larger group with new ideas. I was
fully integrated in ongoing research projects and was able
to engage with local industry. I even found a number of
students interested to come back with me to Australia for
one semester as research students."*

USA



Daniel Costello Jr.

Leonard Bettex Professor of Electrical Engineering

University of Notre Dame, Notre Dame, Indiana, USA

Stays at TUM

July – Dec. 2001, July – Sept. 2003, May – July 2005

Host

Prof. Dr. Joachim Hagenauer

Research Interests

Coding theory, with an emphasis on LDPC codes and
spatially coupled codes

Awards / Honors (Selection)

Aaron D. Wyner Award for Outstanding Service, IEEE
Information Theory Society (2013), Joint Paper Award, IEEE
Information Theory and Communications Society (2012), IEEE
Donald G. Fink Award for an outstanding tutorial or survey
paper (2009), Humboldt Research Award (2001)

*"The most enjoyable part of my visits to TUM were the
interactions with the graduate assistants, many of whom I
still see regularly at various conferences around the world
- and, of course, the brats and the beer!"*



Brazil

Carlos Henrique da Silva Santos



Professor

São Paulo Federal Institute for Education, Science and
Technology, Campus Itapetininga, Brazil

Stay at TUM

Mar. – Sept. 2009

Host

Prof. Dr.-Ing. Jürgen Detlefsen

Research Interests

Computational intelligence, cloud computing, parallel
computing, quantum computers, numerical methods for
photonics and educational technologies

Awards / Honors (Selection)

Professor Honored at IFSP, Campus Itapetininga (2013), Best
PhD Paper Award, IEEE International Microwave and
Optoelectronics Conference (IMOC, 2009)

*"I had fantastic research and cultural experiences at TUM
and in München. I really want to have another opportunity
to be there again."*

Turkey

Günhan Dündar



Professor

Department of Electrical and Electronics Engineering,
Boğaziçi University, Istanbul, Turkey

Stay at TUM

2009 – 2010

Host

Prof. Dr.-Ing. Ulf Schlichtmann

Research Interests

Analog IC design, architectural modeling and circuit design of
DSP and image processing systems, design of analog neural
networks, electronic design automation, image processing
and data compression algorithms

Awards / Honors (Selection)

TÜBİTAK Incentive Award (2009), Best Paper Award in ASAP
(2008)



Palestine



Hala El-Khozondar

Professor of Electrical Engineering

Faculty of Engineering, Islamic University of Gaza, Gaza,
Palestine

Stays at TUM

June – July 2006, Sept. 2008 – Aug. 2009, July – Aug. 2010,
July – Aug. 2011, June – July 2012

Host

Prof. Dr. Alexander W. Koch

Research Interests

Optical fiber grating sensors, magneto-optical isolators,
photonics crystals, metamaterial devices, electro-optical
waveguides, microstructural evolution of polycrystalline
materials, integrated optical devices, transmission lines,
nanoparticles applications

Awards / Honors (Selection)

Fellow for The World Academy of Science and Technology
(FTWAS) and FTWAS-ARO (2010), Humboldt Research
Fellowship (2009), Fulbright Scholarship (1993 – 1995)

USA



Anthony Ephremides

**Distinguished University Professor und Cynthia Kim
Eminent Professor of Information Technology**

Department of Electrical and Computer Engineering and
Institute for Systems Research, University of Maryland,
College Park, Maryland, USA

Stays at TUM

Apr. – July 2008, Apr. – July 2011

Hosts

Prof. Dr. Joachim Hagenauer, Prof. Dr. Ralf Kötter,
Prof. Dr. Gerhard Kramer

Research Interests

Communication and information theory, networking, wireless
communication networks, energy efficiency

Awards / Honors (Selection)

Aaron Wyner Distinguished Award for Exceptional Service
and Leadership in Information Theory (IEEE Information
Theory Society, 2006), Kirwan Faculty Research and
Scholarship Prize (UMD, 2001), Sigmobility Award for
Outstanding Contributions in Mobility of Data, Users,
Systems, and Computers (ACM, 1996)

*"I spent two sojourns as international guest professor
at TUM, in 2008 and in 2011. It was a uniquely enjoyable
experience. A great department and program, a great
university, in a great city, full with fine individuals
(colleagues and others). I think that Joachim Hagenauer,
Ralf Koetter, and Gerhard Kramer have formed a
sequence of inspired and visionary professors. Ich bin
ein Münchener!"*



Turkey



Yücel Ercan

Professor and Dean

Faculty of Engineering, TOBB University of Economics and
Technology, Ankara, Turkey

Stay at TUM

1979 – 1981

Host

Prof. Dr. Adolf Birkhofer

Research Interests

Control systems, system dynamics

Awards / Honors (Selection)

Humboldt Research Fellowship (1979)

*"I spent two fantastic years at TUM in a friendly
environment doing only research."*

France



Miloud Frikel

Associate Professor of Electrical and Computer Engineering

Ecole Nationale Supérieure d'Ingénieurs de Caen
(ENSICAEN), Caen, France

Stay at TUM

Sept. 1999 – Aug. 2000

Host

Prof. Dr. Josef A. Nossek

Research Interests

Signal processing, array processing, digital communication

Awards / Honors (Selection)

Humboldt Research Fellowship (1999)

*"My stay at TUM was a turning point in my professional
life. I not only learned the German language and worked
on a research project, but also opened my mind on
several other aspects."*



Japan

Rui Fukui

Assistant Professor

Department of Mechanical Engineering, School of
Engineering, University of Tokyo, Tokyo, Japan

Stay at TUM

May – June 2012

Hosts

Prof. Dr. Martin Buss, Prof. Dr. Sandra Hirche,
Prof. Dr. Jörg Conradt

Research Interests

Robotics, mechatronics, design, mechanism, man-machine
interface

*"My research stay at TUM was my first and greatest
experience abroad, and gave me many inspirations about
technology."*

China

Zeng-Yuan Guo



Professor

Department of Engineering Mechanics, Tsinghua University,
Beijing, China

Stay at TUM

Feb. 1979 – Apr. 1981

Host

Prof. Dr. Heinz Maecker

Research Interests

Energy efficiency, heat transfer at nanoscale

Awards / Honors (Selection)

ASME Fellow (1998), Member of the Chinese Academy of
Sciences (1997), Humboldt Research Fellowship (1979)



Taiwan



Tsung-Yi Ho

Associate Professor

Department of Computer Science and Information
Engineering, National Cheng Kung University, Tainan City,
Taiwan

Stays at TUM

Aug. 2012 – Feb. 2013, July – Sept. 2013

Host

Prof. Dr. Ulf Schlichtmann

Research Interests

Design for nanometer integrated circuits and microfluidic
biochips

Awards / Honors (Selection)

Dr. Ta-You Wu Memorial Award National Science Council of
Taiwan (2012), Excellent Innovative Young Scholar Award,
Taiwan Comprehensive University System (2012),
Distinguished Young Scholar Award, Taiwan IC Design
Society (2012), Humboldt Research Fellowship (2012)

USA



Michael Honig

Professor

Department of Electrical Engineering & Computer Science,
Northwestern University, Evanston, Illinois, USA

Stays at TUM

May – Aug. 2007, June – July 2008, June – July 2009,
July 2010

Hosts

Prof. Dr. Josef A. Nossek, Prof. Dr. Wolfgang Utschick

Research Interests

Areas of communications, signal processing and networks

Awards / Honors (Selection)

IEEE Information Theory Society Board of Governors (1996 –
2002, re-elected 2012), Booz Allen Distinguished Colloquium
Speaker, ECE Department, University of Maryland, College
Park (2012), IEEE WCNC Best Paper Award – MAC and
Cross-Layer Design (with C. Shi, S. Nagaraj, and P. Fleming,
2012), Humboldt Research Award (2007)

*"I have enjoyed very much collaborating with the signal
processing for communications group at TUM and
exploring the charming city of Munich."*



Switzerland



Paolo lenne

Professor and Head

Processor Architecture Laboratory, École Polytechnique
Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Stays at TUM

Apr. – July 2006, Apr. – July 2008

Host

Institute for Communications Engineering (LNT)

Research Interests

Various aspects of computer and processor architecture,
electronic design automation, computer arithmetic, FPGAs
and reconfigurable computing, and multiprocessor
systems-on-chip

Awards / Honors (Selection)

Best Paper Award, 20th ACM/SIGDA International
Symposium on Field-Programmable Gate Arrays (FPGA,
2012), Best Paper Award, 19th International Conference
on Field-Programmable Logic and Applications (FPL, 2009),
Best Paper Award, International Conference on Compilers,
Architectures, and Synthesis for Embedded Systems
(CASES, 2007)

*"I taught twice a spring course in the International MSCE
program and had great fun interacting with dynamic
students from all over the world – not to mention the
pleasure of relaxing in a Biergarten after the hard work!"*

South Korea



Hyoung-Gook Kim

Professor

Multimedia Signal Processing Lab, Department of
Electronics Convergence Engineering, College of Electronics
and Information Engineering, Kwangwoon University, Seoul,
South Korea

Stay at TUM

since Oct. 2013

Host

Prof. Dr.-Ing. Eckehard Steinbach

Research Interests

Multimedia content recognition and retrieval, IP-based media
communication and security, auditory, visual & audiovisual
perception



USA



Roberta L. Klatzky

Charles J. Queenan Jr. Professor of Psychology

Carnegie Mellon University, Pittsburgh, Pennsylvania, USA

Stay at TUM

June – Dec. 2011

Host

Prof. Dr.-Ing. Martin Buss

Research Interests

Perception and perceptually guided action

Awards / Honors (Selection)

Honorary Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2010), Humboldt Research Award (2010), Kurt Koffka Medal, Justus-Liebig-University of Giessen (2010), Honorary Member of the Society of Experimental Psychologists, Fellow of the American Association for the Advancement of Science

South Korea



Hong Kyu Lee

Professor

Korea University of Technology and Education, Cheon-An, Chungnam Province, South Korea

Stay at TUM

Apr. 1993 – Feb. 1994

Host

Prof. Dr. Günther Schmidt

Research Interests

Robot control, evolutionary algorithm



Taiwan



Mark Po-Hung Lin

Associate Professor

Department of Electrical Engineering, National Chung Cheng University, Minxiong, Taiwan

Stays at TUM

July 2013 – Jan. 2014

Host

PD Dr.-Ing. Helmut Graeb

Research Interest

Electronic design automation

Awards / Honors (Selection)

Humboldt Research Fellowship (2013), National Chung Cheng University Young Faculty Award (2012)

Spain



Salvador Manich

Associate Professor

Universitat Politècnica de Catalunya (UPC – BarcelonaTech), Barcelona, Spain

Stays at TUM

Oct. 2011 – June 2012, July 2013

Host

Prof. Dr.-Ing. Georg Sigl

Research Interests

Design for test, low power digital design, security of test technology in digital security systems

Awards / Honors (Selection)

Member of IEEE and TTTC

"The experience at TUM was very special. I had the opportunity to collaborate with a very active research team of PhD students and professors and to enjoy an exciting friendship environment."



Romania



Liviu-Nicolae Modran

Professor for Electrical Drive Systems

Lucian Blaga University of Sibiu, Sibiu, Romania

Stay at TUM

Mar. – June 1991

Host

Lehrstuhl für Messsysteme und Sensortechnik

Research Interests

Philosophy, logic and history of technique

Awards / Honors (Selection)

Member of Romanian Committee for the History of
Philosophy, Science and Technology (CRIFST), Affiliate of
the Romanian Academy

*“A great university is built by teachers’ spirit. But the
followers give it reputation.”*

Japan



Hiroshi Okubo

Professor Emeritus

Department of Aerospace Engineering, Osaka Prefecture
University, Sakai, Japan

Stays at TUM

Sept. 1989 – Sept. 1990, Aug. – Sept. 1991,
Aug. – Sept. 1992, Aug. – Sept. 1993, July – Aug. 1994

Host

Prof. Dr. Günther Schmidt

Research Interests

Aerospace engineering, dynamics and control, small/micro
satellite systems

Awards / Honors (Selection)

Japan Society for Mechanical Engineers (JSME) Space
Engineering Division Award (2003), ISCIE Paper Award (1996),
Humboldt Research Fellowship (1989)



Romania



Marian-Silviu Poboroniuc

Associate Professor

Department of Energy Utilization, Electrical Drives and Industrial Automation (EUEDIA), Faculty of Electrical Engineering, "GHEORGHE ASACHI" Technical University of Iași, Iași, Romania

Stay at TUM

Mar. 2001 – Feb. 2002

Host

Dr.-Ing. Robert Riener

Research Interests

Mobile robots control algorithms, human motion analysis and synthesis, neuroprosthetics, biomechanics, rehabilitation robotics

Awards / Honors (Selection)

First Prize, International Exhibition on Inventions and Practical Ideas (INVEST-INVENT, 2013), Gold Medal, International Salon of Inventions and New Technologies "NEW TIME", Sevastopol, Ukraine (2011), Jean Peperstraete Award of the European Association for Education in Electrical and Information Engineering (EAEIE, 2006)

"As a NeuralPRO TMR Fellow (Post Doctoral Researcher) I have had a great time and professional achievements working closely with people from the Center of Automation and Autonomous Systems. I should mention Dr. Thomas Fuhr and Prof. Robert Riener who contributed deeply to the success of that working stage and also to the pleasures of discovering Munich and, of course, the Bavarian land beauties."

USA



John Proakis

Adjunct Professor

Department of Electrical and Computer Engineering, University of California, San Diego (UCSD), San Diego, California, USA

Stays at TUM

Apr. – Sept. 1999, Apr. – Sept. 2002

Host

Prof. Dr. Joachim Hagenauer

Research Interests

Wireless communications, underwater acoustic communications



USA



Jerzy W. Rozenblit

University Distinguished Professor,

Raymond J. Oglethorpe Endowed Chair

Electrical and Computer Engineering (ECE) Department

Professor of Surgery

College of Medicine, University of Arizona, Tucson,
Arizona, USA

Stays at TUM

Summer 2000, Summer 2001, various short visits between
2001 and 2010

Hosts

Prof. Dr. Joachim Hagenauer, Prof. Dr. Kurt Antreich

Research Interests

Model-based design, artificial intelligence, and minimally
invasive surgery

Awards / Honors (Selection)

Award for Excellence at Student Interface (Best Teaching
Award), College of Engineering, University of Arizona (2006
and 2003), Fulbright Senior Specialist Award for Research
Collaboration with the Cracow Technical University, Poland
(2004), Recognition Award “For Years of Support as Advisor
to the High Level Design Department”, Infineon Technologies
AG, München (2002)

*“My visits at TUM still resonate with memories of
intellectual excitement, forward thinking, energy,
diversity of student body, and wonderful camaraderie.”*

USA



Lee Swindlehurst

Professor

Electrical Engineering & Computer Science, University of
California Irvine (UCI), Irvine, California, USA

Stay at TUM

Summer 2011

Host

Prof. Dr. Josef A. Nossek

Research Interests

Signal processing for wireless communications, radar and
biomedical applications

Awards / Honors (Selection)

IEEE Stephen O. Rice Prize Paper in Communication Theory
(2006), IEEE Fellow (2004), IEEE W. R. G. Baker Prize Paper
(2000)

*“I immensely enjoyed my time at TUM and hope to come
back for another visit in the future. I still have ongoing
research collaborations based on my visit; the students
and faculty there are outstanding. Munich is easy to fall in
love with.”*



China

Zeyang Xia



Associate Professor

Shenzhen Institute of Advanced Technology (SIAT), Chinese Academy of Sciences, Shenzhen, China

Stay at TUM

Oct. 2005 – Oct. 2006

Host

Prof. Dr.-Ing. Martin Buss

Research Interests

Robotics, mechatronics

Hong Kong

Raymond Wai-Ho Yeung



**Choh-Ming Li Professor of Information Engineering
and Co-Director**

Institute of Network Coding, The Chinese University of Hong Kong, Shatin, Hong Kong

Stays at TUM

Jan. – Apr. 2007, June 2011, May 2013

Hosts

Prof. Dr. Joachim Hagenauer, Prof. Dr. Ralf Kötter,
Prof. Dr. Gerhard Kramer

Research Interests

Information theory, network coding

Awards / Honors (Selection)

Friedrich Wilhelm Bessel Research Award, Alexander von Humboldt Foundation (2007), IEEE Information Theory Society Paper Award (2005), Croucher Senior Research Fellowship, Croucher Foundation, Hong Kong (2000-2001)

“TUM is a gem not only in Bavaria, but also in Germany and in Europe.”

Informatics



India



Shajulin Benedict

Professor

Department of Computer Science and Engineering

Director

HPCCLoud Research Laboratory, St. Xavier's Catholic College of Engineering, Chunkankadai, Tamil Nadu, India

Stays at TUM

Apr. 2009 – Mar. 2011, July 2012, Oct. 2012, Sept. 2013

Host

Prof. Dr. Hans-Michael Gerndt

Research Interests

Energy consumption analysis of HPC applications, performance analysis of massive parallel applications, distributed water quality analysis, scheduling algorithms – grid/cloud

Awards / Honors (Selection)

Training Scholarship Awardee Sponsored by the Centre for International Migration and Development-Deutsche Gesellschaft für Internationale Zusammenarbeit (CIM-GIZ) and TUM, Germany (2012), Rank Holder (Academic Excellence), A. K.College of Engineering (2003 -2004 Batch), Rank Holder, Anna University (2002 – 2004 Batch)

“TUM was a true turning point in my research-cum-teaching career. I enjoyed working with supercomputers (the real practical experience, especially in Grid/HPC domain) and the Periscope team of Professor Gerndt. The most crucial research issues are addressed with a global concern at TUM. In my opinion a researcher should visit TUM at least once in his/her lifetime in order to be confronted with excellence in research.”

Chile



Victor Castañeda Zeman

Postdoctoral Research Fellow

Laboratory for Scientific Image Analysis, Anatomy and Developmental Biology Program, Institute for Biomedical Science, Faculty of Medicine, Universidad de Chile, Santiago, Chile

Stay at TUM

Oct. 2008 – Mar. 2012

Host

Prof. Dr. Nassir Navab

Research Interests

Medical image processing, microscopic image processing, 3D cameras

“My stay at TUM was great and very fruitful. I was not only able to acquire new technical knowledge, working strategies and soft skills, but also to get to know great people.”



Hungary



János Csirik

Head

Department of Computer Algorithms and Artificial Intelligence,
University of Szeged, Szeged, Hungary

Stays at TUM

May – July 1996, Oct. 2002 – July 2003

Hosts

Prof. Dr. Wilfried Brauer, Prof. Dr. Ernst W. Mayr

Research Interests

Natural language processing, bin packing

Awards / Honors (Selection)

Széchenyi Prize (2009), Order of Merit of the Republic of
Hungary (Officer's Cross, 2008), Humboldt Research
Fellowship (1980)

*"I had a great time enjoying an excellent faculty in
Munich!"*

USA



Robert W. Day

**Associate Professor of Operations and Information
Management and Co-Director of the Management and
Engineering for Manufacturing Program**

School of Business, University of Connecticut, Storrs,
Connecticut, USA

Stay at TUM

Sept. 2012

Host

Prof. Dr. Martin Bichler

Research Interests

Auction theory and applications, healthcare management

*"I was delighted to spend a month of my sabbatical
working with Prof. Bichler and his research group on
algorithms for auctioning television ad slots and studying
bidder preferences."*

Germany



Sergei Gorlatch

Professor of Computer Science and Chair for Parallel and Distributed Systems

Institute of Computer Science, Department of Mathematics and Computer Science, University of Münster, Münster, Germany

Stay at TUM

1991 – 1992

Host

Prof. Dr. Manfred Broy

Research Interests

Parallel and distributed algorithms and software grid and cloud computing, high-performance systems and accelerators, internet computing, online games, software-defined networks

Awards / Honors (Selection)

Humboldt Research Fellowship (1991)

“My Humboldt Research Fellowship at TUM was an important and very pleasant experience in my research career. Especially the cooperation within SFB 342 with colleagues from several groups at TUM (Prof. Broy, Prof. Bode, Prof. Zenger) was of great value for me.”

China



Jinlei Jiang

Associate Professor

Department of Computer Science and Technology, Tsinghua University, Beijing, China

Stay at TUM

May 2007 – Apr. 2008

Host

Prof. Dr. Johann Schlichter

Research Interests

Cloud computing, software-defined networking, big data, computer supported cooperative work, workflow management

Awards / Honors (Selection)

Humboldt Research Fellowship (2006), Excellent Paper of China National Symposium on Web Semantics and Ontology (SWON 2006), Best Doctoral Dissertation, Tsinghua University (2004)

“It was a great experience for me to stay at TUM and do some research work there. I enjoyed both the life and the people at TUM.”



USA



Sami Khuri

Professor

Department of Computer Science, San José State University,
San Jose, California, USA

Stay at TUM

Oct. 1999 – Sept. 2000

Host

Prof. Dr. Ernst W. Mayr

Research Interests

Bioinformatics, evolutionary algorithms, probabilistic
algorithms

Awards / Honors (Selection)

Minority Access to Research Careers (MARC) Award, National
Institutes of Health (NIH, 2004), California State University
Award for Education and Research in Biotechnology (2002
and 2001), DAAD Award (1999)

Slovak Republic



Jozef Mikloško

Retired Assistant Professor

Comenius University in Bratislava, Bratislava, Slovak
Republic

Stays at TUM

Apr. 1970 – Jan. 1971, May – July 1981, June – Aug. 1984,
May – July 1987, Feb. – Apr. 1995, July – Aug. 1997

Hosts

Prof. Dr. Friedrich L. Bauer, Prof. Dr. Christoph Zenger

Research Interests

Numerical analysis, parallel algorithms, stability of algorithms,
artificial intelligence, book writing, international diplomacy
and relation, politology, human rights

Awards / Honors (Selection)

Grande Ufficiale Ordine al Merito della Repubblica Italiana
(2005), Former Ambassador of the Slovak Republik in Italy,
Malta and San Marino in Rome (2000-2005), Humboldt
Research Fellowship (1970), Member of Slovak Parliament

Spain



Rafael Muñoz-Salinas

Lecturer

University of Cordoba, Cordoba, Spain

Stay at TUM

Aug. – Sept. 2010

Host

Prof. Dr. Michael Beetz

Research Interest

Computer vision

"TUM is a top university with very good researchers. It was worth working in its multicultural environment."

Canada



Martin Robillard

Associate Professor

School of Computer Science, McGill University, Montreal, Quebec, Canada

Stay at TUM

Jan. – Dec. 2011

Host

Prof. Dr. Bernd Brügge

Research Interests

Software engineering, software archive mining, API usability, recommendation systems, natural language processing, research methods for empirical software engineering

Awards / Honors (Selection)

Humboldt Research Fellowship (2011)



Spain



Gregorio Robles

Associate Professor

Telematic Systems and Computing Department (GSyC)/
LibreSoft Research Group, Universidad Rey Juan Carlos,
Madrid, Spain

Stay at TUM

Mar. – Aug. 2007

Host

Prof. Dr. Manfred Broy

Research Interests

Empirical software engineering, mining software repositories,
free/open source software, technology-enhanced learning

*“I enjoyed the research atmosphere at TUM. It helped me
grow as a researcher.”*

USA



Dana Scott

**Emeritus Hillman University Professor of Computer
Science, Philosophy, and Mathematical Logic**

Computer Science Department, Carnegie Mellon University,
Pittsburgh, Pennsylvania, USA

Stays at TUM

Sept. – Nov. 2003 and various other visits since then

Hosts

Prof. Dr. Manfred Broy, Prof. Dr. Friedrich Ludwig Bauer,
Prof. Dr. Wilfried Brauer, Prof. Dr. Manfred Paul,
Prof. Dr. Bernd Brügge, Prof. Dr. Tobias Nipkow

Research Interests

Mathematical logic, theory of programming languages

Awards / Honors (Selection)

Gold Medal of the The Sobolev Institute of Mathematics,
Novosibirsk, Russia (2009), Humboldt Research Award
(2003), Bolzano Medal for Merit in the Mathematical Sciences,
the Czech Academy of Sciences (2001), Rolf Schock Prize in
Logic and Philosophy, Royal Swedish Academy of Sciences
(1997)

*“The many contacts over many years both with the TUM
and with the LMU have been very valuable to me.”*

USA



Christopher Stapleton

Research Affiliate

Media Convergence Laboratory, Institute for Simulation and Training (IST), University of Central Florida, Orlando, Florida, USA

President

Simiosys Real World Laboratory, Oviedo, Florida, USA

Stay at TUM

May – Aug. 2007

Host

Prof. Dr. Nassir Navab

Research Interests

Mixed reality, transformative innovation, experiential learning, imagination

France

Sid Touati

Professor

Faculty of Science, University of Nice Sophia Antipolis, Nice, France

Stay at TUM

Sept. – Nov. 2010

Host

Prof. Dr. Arndt Bode

Research Interests

Program and system performance analysis and optimization, optimizing compilation, high performance processors, parallelism for high performance computing, embedded systems

Mathematics





Denmark

Ole Eiler Barndorff-Nielsen



Professor

Department of Mathematics, Aarhus University, Aarhus,
Denmark

Stays at TUM

Many visits between 2001 and 2005

Host

Prof. Dr. Claudia Klüppelberg

Research Interests

Turbulence, Lévy theory, financial econometrics

Awards / Honors (Selection)

Humboldt Research Award (2001), Dr. Honoris Causa,
Katholieke Universiteit, Leuven, Belgium (1999), Dr. Honoris
Causa, Université Paul Sabatier, Toulouse, France (1993)

*"My numerous stays at TUM have throughout been
highly stimulating scientifically, and the very congenial
atmosphere at TUM has added much to the productivity
of my collaborations with colleagues and students there."*

Canada

David Bremner



Professor

Faculty of Computer Science, University of New Brunswick,
Fredericton, New Brunswick, Canada

Stays at TUM

Mar. 2002 – July 2003, Sept. 2007 – Mar. 2008

Host

Prof. Dr. Peter Gritzmann

Research Interests

Mathematical programming, discrete geometry, programming
language systems

Awards / Honors (Selection)

Humboldt Research Fellow (2002), Postdoctoral Fellow,
Natural Sciences and Engineering Research Council of
Canada (NSERC, 1997)

*"My stay at TUM was truly formative for me. Almost
every piece of mathematical research I have done since
has been influenced by the geometric theory and
mathematical aesthetic I learned in these two visits."*



Japan



Martin Guest

Professor

Department of Mathematics, Faculty of Science and Engineering, Waseda University, Shinjuku, Tokyo, Japan

Stay at TUM

June – Aug. 2008

Host

Prof. Dr. Josef Dorfmeister

Research Interests

Geometry, topology, and integrable systems

Awards / Honors (Selection)

Humboldt Research Fellowship (1986)

"I was very satisfied with the excellent research facilities at TUM, and enjoyed living in the city of Munich."

USA



Richard D. James

Distinguished McKnight University Professor

Department of Aerospace Engineering and Mechanics, University of Minnesota, Minneapolis, Minnesota, USA

Stay at TUM

Oct. 2006 – Mar. 2007

Host

Zentrum für Mathematik (John von Neumann-Gastprofessur)

Research Interests

Phase transformations in materials, mathematical methods for the analysis of materials at atomic and continuum scales, methods of bulk synthesis and characterization of new materials

Awards / Honors (Selection)

William Prager Medal, Society of Engineering Science (SES, 2008), John von Neumann Visiting Professorship, TUM (2006), Humboldt Research Award (2006)



USA



Michael Loss

Professor

School of Mathematics, Georgia Institute of Technology,
Atlanta, Georgia, USA

Stay at TUM

Apr. – Sept. 2005

Host

Zentrum für Mathematik (John von Neumann-Gastprofessur)

Research Interests

Analysis of PDEs, mathematical physics, functional analysis,
spectral theory

Awards / Honors (Selection)

Corresponding Member of the Chilean National Academy of
Science (2012), Fellow of the American Mathematical Society
(AMS, 2012), John von Neumann Visiting Professorship,
TUM (2005)

USA



Liang Peng

Professor

School of Mathematics, Georgia Institute of Technology,
Atlanta, Georgia, USA

Stay at TUM

July – Dec. 2005

Host

Prof. Dr. Claudia Klüppelberg

Research Interests

Statistics, extremes, time series, copulas, nonparametric
statistics current

Awards / Honors (Selection)

Fellow of American Statistical Association (ASA, 2012), Fellow
of Institute of Mathematical Statistics (IMS, 2009), Humboldt
Research Fellowship (2003)

"TUM is a great place to become active in research."



Vietnam



Hoang Xuan Phu

Professor

Institute of Mathematics, Vietnam Academy of Science and Technology, Hanoi, Vietnam

Stay at TUM

Jan. 1989 – Dec. 1989

Host

Prof. Dr. Roland Bulirsch

Research Interests

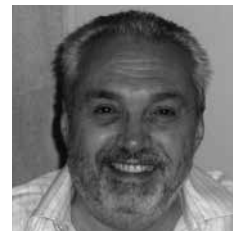
Optimization and optimal control, functional analysis, numerical analysis, applications (inventory problems), control of hydro-electric power plants, robotics

Awards / Honors (Selection)

Corresponding Member of the Bavarian Academy of Sciences and Humanities (2010), Werner Romberg Distinguished Guest Professor, Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, University of Heidelberg (2008), Corresponding Member of the Heidelberg Academy of Sciences and Humanities (2004), Humboldt Research Fellowship (1989)

“My research stay at TUM as Research Fellow of the Alexander von Humboldt Foundation was one of the most important parts of my scientific career.”

Switzerland



Tudor Ratiu

Professor and Chair of Geometric Analysis

Department of Mathematics

Director

Bernoulli Center, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Stays at TUM

July – Sept. 2001, July – Sept. 2002, July – Sept. 2009

Host

Prof. Dr. Jürgen Scheurle

Research Interests

Geometric mechanics, symplectic geometry, Hamiltonian dynamics, symmetric bifurcation theory, continuum mechanics, variational integrators, integrable systems, Poisson geometry, Dirac geometry

Awards / Honors (Selection)

Winner of the Russian Megagrant (2011), Humboldt Research Award (1997), National Science Foundation (NSF) Postdoctoral Fellow (1983 – 1986), Sloan Foundation Fellow (1984 – 1987)

“My stay at TUM has always been very productive. I was able to interact with many people and had the time to work on difficult projects.”



Czech Republic



Tomáš Roubčík

Professor

Mathematical Institute, Charles University, Prague, Czech Republic

Professor

Institute of Thermomechanics and Institute of Information Theory and Automation, Academy of Sciences of the Czech Republic, Prague, Czech Republic

Professor

New Technologies Research Centre, University of West Bohemia, Plzen, Czech Republic

Stays at TUM

Apr. – Aug. 1992, another 7 months between 1993 and 1996

Host

Prof. Dr. Karl-Heinz Hoffmann

Research Interests

Partial differential equations, mathematical modelling, applications in continuum physics and materials science (e.g. shape-memory alloys, ferromagnetica, magnetostrictive materials, esp. rate-independent processes there, fluid mixtures, contact mechanics, seismic models), thermodynamics, optimization theory, numerical analysis

Awards / Honors (Selection)

Prize for Research, Minister of Education of the Czech Republic (1999), Humboldt Research Fellowship (1991)

Poland



Piotr Rybka

Professor of Mathematics

Institute of Applied Mathematics, University of Warsaw, Warsaw, Poland

Stay at TUM

Oct. 1996 – July 1998

Host

Prof. Dr. Karl-Heinz Hoffmann

Research Interests

Differential equations, calculus of variations, free boundary problems, singular curvature flow, phase transitions (crystal growth, martensitic phase transitions in solids), mathematical models of continua and biology

Awards / Honors (Selection)

Humboldt Research Fellowship (1996)



France



Houria Siguerdidjane

Professor

Automatic Control Department and Associate Director,
Research & Industry Partnerships of Metz Campus, Supélec
(École supérieure d'électricité), Metz, France

Stay at TUM

Apr. – Oct. 1989

Host

Prof. Dr. Roland Bulirsch

Research Interests

Guidance, navigation and control of space and aerospace
vehicles, control of variable speed wind turbines, multi-energy
systems

Awards / Honors (Selection)

Outstanding Service Award (OSA), International Federation
of Automatic Control (IFAC, 2014), Humboldt Research
Fellowship (1989)

*"I have deeply enjoyed my stay in Munich and my
research work in the Mathematics Department at TUM."*

USA



Frank Sottile

Professor of Mathematics

Texas A&M University, College Station, Texas, USA

Stay at TUM

Oct. 2005 – July 2006

Host

Prof. Dr. Peter Gritzman

Research Interests

Real-number solutions to systems of polynomial equations

Awards / Honors (Selection)

Fellow of the American Mathematical Society (AMS, 2012),
Faculty Early Career Development (CAREER) Award, National
Science Foundation (NSF, 2002)



UK and USA

Lloyd N. Trefethen



Professor of Numerical Analysis

University of Oxford, Oxford, UK

Global Distinguished Professor of Computer Science and Mathematics

New York University, New York City, New York, USA

Stay at TUM

May – June 2010

Host

Prof. Dr. Folkmar Bornemann

Research Interest

Numerical analysis

Awards / Honors (Selection)

Naylor Prize, London Mathematical Society (2013), Gold Medal, Institute for Mathematics and its Applications, UK (2010)

Hong Kong

Jun Zou



Professor

Department of Mathematics, Faculty of Science, The Chinese University of Hong Kong, Shatin, Hong Kong

Stay at TUM

May 1992 – Oct. 1993

Host

Prof. Dr. Karl-Heinz Hoffmann

Research Interests

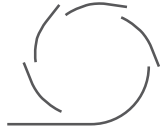
Numerical solutions of electromagnetic Maxwell systems, numerical solutions of interface problems, ill-posed problems, inverse problems, preconditioned iterative methods, domain decomposition methods

Awards / Honors (Selection)

Humboldt Research Fellowship (1992)

"During my stay at TUM, I had a very fruitful and productive collaboration with my host Professor Karl-Heinz Hoffmann. We had 6 joint publications in international refereed mathematics journals. This research experience had a far-reaching influence on my future research career. I am very proud of my visit to TUM for one and a half year at the beginning of my research career and have been extremely grateful to TUM for its great academic environment and research facilities, especially to Professor Hoffmann for his great supervision and guidance."

Mechanical Engineering





Canada



Jorge Angeles

Professor

Department of Mechanical Engineering and Centre for Intelligent Machines, McGill University, Montreal, Quebec, Canada

Stay at TUM

July 1991 – June 1992

Host

Prof. Dr. Ing. Friedrich Pfeiffer

Research Interests

Robotics, mechanism and machine science, design and control of mechanical systems

Awards / Honors (Selection)

Fellow of the Canadian Academy of Engineering (CAE, 2012), Doctor Honoris Causa, University of Guanajuato, Mexico (2011), Fellow of the Royal Society of Canada (2003), Humboldt Research Award (1991)

“A great professional experience for me, and cultural experience both for me and for my family (wife and two boys). I could make great progress in the writing of my ‘Fundamentals of Robotic Mechanical Systems’, a 550 pp. book published by Springer (New York) in 1997. I also honed my communication skills in German.”

India



Ravi Banavar

Professor and Convener

Systems and Control Engineering, Indian Institute of Technology Bombay (IITB), Powai, Mumbai, India

Stay at TUM

June 2013

Hosts

Prof. Dr.-Ing. Boris Lohmann, Dr.-Ing. Paul Kotyczka

Research Interests

Nonlinear control, geometric mechanics, aerospace and mechanical systems applications



India

Amaresh Chakrabarti



Professor

Innovation, Design Study and Sustainability Laboratory (IdeasLab) and Virtual Reality Laboratory (VRLab), Centre for Product Design and Manufacturing, Indian Institute of Science (IISc), Bangalore, India

Stay at TUM

Mar. – Aug. 2013

Host

Prof. Dr.-Ing. Udo Lindemann

Research Interests

Engineering design methodology, design synthesis and creativity, eco-design and sustainability, knowledge reuse and design informatics, affordable healthcare, design research methodology, virtual reality and haptics

Awards / Honors (Selection)

Honorary Fellow, UK Institution of Engineering Designers (IED), Member of Board of Management, UK Design Society, Member of Advisory Board, UK Design Society

"My experience and stay at TUM was both socially and academically highly valuable. I offered a PhD level course on design research methodology, organised an international workshop the proceedings of which will be published by Springer as a book, and gave a series of lectures at various fora in TUM. The international office was very helpful in making my stay a memorable one."

USA

Julian Andrzej Domaradzki



Professor of Aerospace and Mechanical Engineering

Department of Aerospace and Mechanical Engineering, University of Southern California (USC), Los Angeles, California, USA

Stay at TUM

Sept. – Nov. 2013

Host

Prof. Dr. Nikolaus Adams

Research Interests

Fluid mechanics, turbulence, computational fluid dynamics

Awards / Honors (Selection)

Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA, 2011), Fellow of the American Physical Society (APS, 2008), Humboldt Research Award (1992), Humboldt Research Fellowship (1980)

"Prof. Adams' group in the Institute of Fluid Mechanics and Aerodynamics is very active and known worldwide in the field. My interactions with members of his group allowed me to make a significant progress in my research in a very short time of three months resulting in one accepted journal publication and another one currently in preparation continuing collaborations with several members of the group. Separately, the support for my visit at TUM was excellent, beginning with invaluable assistance in finding an apartment, through welcoming atmosphere in the Institute and, more generally, at TUM and in Munich. It was an experience I would gladly repeat."



Italy



Livan Fratini

Professor of Manufacturing

Department of Chemical Engineering, Management, Computer Science, Mechanical Engineering, University of Palermo, Palermo, Italy

Stay at TUM

Visit in 2012

Hosts

Prof. Dr. Gunther Reinhart, Prof. Dr. Michael Zäh

Research Interests

Metal forming, joining, numerical simulation

Awards / Honors (Selection)

Prize for Innovation in Teaching Activities, AITEM (Associazione Italiana di Tecnologia Meccanica, 2010), F. W. Taylor Medal, College International pour la Recherche en Productique (CIRP, 2007) for the paper "Friction Stir Welding of Tailored Blanks: Investigation on Process Feasibility" presented at the 56th General Assembly (Kobe, August 2006)

"Effective and fruitful!"

USA



Mohamed Gad-el-Hak

The Inez Caudill Eminent Professor of Mechanical and Nuclear Engineering

Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University, Richmond, Virginia, USA

Stays at TUM

June – Aug. 2002 , three shorter visits since then

Host

Prof. Dr. Rainer Friedrich

Research Interests

Fluid mechanics, turbulence, flow control, MEMS, large-scale disasters, superhydrophobic coatings

Awards / Honors (Selection)

The Johns Hopkins University Society of Scholars (2002), Humboldt Research Award (1999), Japanese Government Research Award for Foreign Scholars (1999), Fourteenth ASME Freeman Scholar (American Society of Mechanical Engineers, 1998)

"I had a great time interacting with Professor Friedrich's research group. Witnessing how he interacted with his visitors, postdocs, graduate and undergraduate students was a lesson in humility. Professor Friedrich treats all with the same charm and grace. Not only is he very intelligent and competent in his field of research, but also charming and hardworking. Rainer left a positive impression that will never be forgotten. He truly was the perfect host for me."



USA



Thomas Gatski

Research Professor

Center for Coastal Physical Oceanography and Ocean, Earth and Atmospheric Sciences, Old Dominion University, Norfolk, Virginia, USA

Stays at TUM

July 2004, Aug. 2011

Hosts

Prof. Dr.-Ing. Rainer Friedrich,
Prof. Dr.-Ing. Nikolaus A. Adams

Research Interests

Turbulent flow modeling and simulation, viscoelastic fluid flows

"My visits in 2004 and 2011 were about a month long. Both of them were very productive with extensive interactions with students (2004) and summer program participants and students (2011). The facilities were excellent and the work environment very pleasant."

Serbia



Milosav Georgijevic

Professor

Faculty of Technical Sciences, University Novi Sad, Novi Sad, Serbia

Stays at TUM

Several short visits since 1996

Host

Prof. Dr.-Ing. Willibald A. Günthner

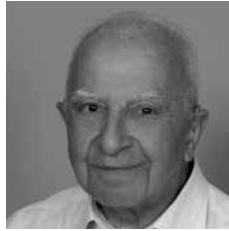
Research Interests

Materials handling, material flow, logistics

"Neben den Forschungstätigkeiten, die mir an der TUM ermöglicht wurden, sind unsere Kontakte so freundschaftlich geworden, dass meine Studenten schon seit mehreren Jahren den Lehrstuhl für Fördertechnik Materialfluss Logistik (fml) in Garching besuchen, um die besten Praktiken zu lernen."



Turkey



Yalçın Abdullah Gögüs

Professor Emeritus of Mechanical Engineering

Propulsion Engineering Laboratory, Aerospace Department of Middle East Technical University, Ankara, Turkey

Stays at TUM

Nov. 1957 – Oct. 1961, Jan. – Feb. 1964,
Sept. 1978 – Dec. 1979 and various shorter visits

Hosts

Prof. Dr. Ing. Ernst Schmidt, Prof. Dr. Ing. Ulrich Grigull

Research Interests

Energy engineering, applied thermodynamics, propulsion engineering

Awards / Honors (Selection)

Distinguished Teacher Awards of Middle East Technical University (2000), Distinguished Educator Award of Turkish Society for Thermal Science and Engineering (1982), Humboldt Research Fellowship (1959)

“At TUM I not only enjoyed the excellent social environment of the Institute for Thermodynamics, but also had the advantage of excellent collegial cooperation, not to mention the unforgettable natural beauties of Munich and Bavaria.”

USA



Dimitry Gorinevsky

Consulting Professor

Information Systems Laboratory, Department of Electrical Engineering, Stanford University, Stanford, California, USA

Stay at TUM

Mar. 1991 – Aug. 1992

Host

Prof. Dr. Friedrich Pfeiffer

Research Interests

Big data analytics, decision systems, control, optimization, signal processing

Awards / Honors (Selection)

Best Paper Award (Senior Award) of the IEEE Signal Processing Society (2013), Elected Fellow of IEEE from the IEEE Control Systems Society (2006), Control Systems Technology Award of the IEEE Control Systems Society (2002)

“During the stay at TUM, my research was extended into a much broader area; several papers were produced. The opportunity to understand many facets of Germany and its academic community was of great benefit. The events organized by the Alexander von Humboldt Foundation were lots of fun and very valuable. The support from Humboldt allowed me to presented at a dozen of conferences and seminars all over Europe and connect with the professional community in my area. This was an invaluable opportunity denied in my earlier life behind the Iron Curtain.”



USA



Joel Greenstein

Associate Professor of Industrial Engineering

Clemson University, Clemson, South Carolina, USA

Stay at TUM

July 1999 – June 2000

Host

Prof. Dr.-Ing. Udo Lindemann

Research Interests

User-centered design, human-computer interaction, computer-supported collaborative work, knowledge management

Awards / Honors (Selection)

Affiliate of American Society for Engineering Education (ASEE), Affiliate of Association for Computing Machinery (ACM), Affiliate of Human Factors and Ergonomics Society (HFES)

"I have fond memories of my interactions with the excellent students, faculty and staff of the Institute of Product Development at TUM."

South Korea



Jae-Hung Han

Professor

Smart Systems and Structures Lab, Department of Aerospace Engineering, Korean Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea

Stays at TUM

Several short visits since 2003

Host

Prof. Dr. Horst Baier

Research Interests

Structural dynamics and control, bio-inspired flying robot, smart materials and structures, lightweight space structures

Awards / Honors (Selection)

Best Paper Award (1st Place), 2010 World Automation Congress (Symposium ISIAC), Creative Teaching Award, Korean Advanced Institute of Science and Technology (KAIST, 2007)

"My experience at TUM so far has been just great. I visit the university and give seminars there regularly since 2003. In addition, several TUM students regularly spend around six months at my lab for their degree studies. Working with all these students is a really enjoyable experience."



Denmark



Erik Hollnagel

Professor

University of Southern Denmark, Odense

Chief Consultant

Region of Southern Denmark, Denmark

Stay at TUM

Sept. 2011

Host

Prof. Dr. Klaus Bengler

Research Interests

Health care, aviation / ATM, off-shore, nuclear power plants, functional modelling

Awards / Honors (Selection)

TÜV SÜD Stiftung Visiting Professorship, TUM Institute for Advanced Study (IAS, 2011)

USA



Hans G. Hornung

C. L. Kelly Johnson Professor Emeritus of Aeronautics

Graduate Aerospace Laboratories, California Institute of Technology (Caltech), Pasadena, California, USA

Stays at TUM

Aug. 2009, Sept. 2013

Host

Prof. Dr.-Ing. Nikolaus A. Adams

Research Interest

Fluid mechanics

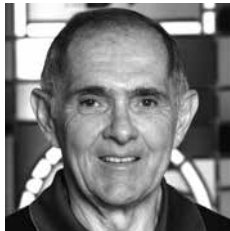
Awards / Honors (Selection)

Ludwig Prandtl Ring, Deutschen Gesellschaft für Luft- und Raumfahrt (DGLR, 1999), Foreign Associate of the US National Academy of Engineering (NAE, 1997), Foreign Member of the Royal Swedish Academy of Engineering Sciences (IVA, 1991), Humboldt Research Fellowship (1973)

"Interaction with faculty and graduate students showed me very interesting and exciting research activities."



USA



Frank Incropera

Clifford and Evelyn Brosey Professor of Mechanical Engineering

Aerospace and Mechanical Engineering Department,
University of Notre Dame, Notre Dame, Indiana, USA

Stay at TUM

Aug. – Dec. 1988

Host

Prof. Dr. Edgar Winter

Research Interests

Energy technology and public policy

Awards / Honors (Selection)

Listed as Highly Cited Author in Engineering by the Institute for Scientific Information (ISI, 2001), Elected to US National Academy of Engineering (NAE, 1996), Recipient of Melville Medal for Best Original Paper published by the American Society of Mechanical Engineers (ASME, 1988), Humboldt Research Award (1988)

"It provided an excellent opportunity to share research ideas on topics of mutual interest with colleagues at TUM, as well as at other institutions in the Federal Republic."

UK



Matthew P. Juniper

Reader in Mechanical Engineering

Department of Engineering, University of Cambridge,
Cambridge, UK

Stay at TUM

May 2011

Host

Prof. Dr. Wolfgang Polifke

Research Interests

Hydrodynamic stability, thermoacoustic stability, combustion

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2011)

"I greatly enjoyed my stay at TUM-IAS. The staff and students were very welcoming. The environment was very conducive to research. Together with researchers from TUM, India, and France, I was able to advance my research in thermoacoustics and write two papers in this area. Since then I have returned to TUM for a graduate school in thermoacoustics."



Norway



Hamid Reza Karimi

Professor in Control Systems

Department of Engineering, University of Agder, Grimstad, Norway

Stay at TUM

Jan. – Nov. 2006

Host

Prof. Dr. Boris Lohmann

Research Interests

Control theory, dynamical systems, vibration, mechatronics

Awards / Honors (Selection)

Humboldt Research Fellowship (2006)

"In my opinion TUM is a unique place for education and fundamental research not only in Germany, but also in Europe."

Japan



Nobuhide Kasagi

Professor Emeritus

Department of Mechanical Engineering, University of Tokyo

Principal Fellow

Japan Science and Technology Agency (JST), Center for Research and Development Strategy, Tokyo, Japan

Stay at TUM

Sept. 2010

Host

Prof. Dr.-Ing. Nikolaus A. Adams

Research Interests

Fluid mechanics and heat transfer, turbulence, energy systems, science and technology policy

Awards / Honors (Selection)

Aurel Stodola Medal (2013), William Begell Medal (2010), Medal for the Best Papers (2010, 2008, 1990 and 1987), The Japan Society of Mechanical Engineers (JSME)

"My stay at TUM was not very long unfortunately, but the great scientists and engineers I have met are unforgettable."



USA



David M. Klaus

**Associate Professor of Aerospace Engineering
Sciences and Associate Director**

BioServe Space Technologies, University of Colorado
Boulder, Boulder, Colorado, USA

Stays at TUM

Nov. – Dec. 2009 and various other visits since then

Host

Prof. Dr. Ulrich Walter

Research Interests

Human spaceflight, space biotechnology, spacecraft life
support systems

Awards / Honors (Selection)

Charles Hutchinson Memorial Teaching Award, University of
Colorado Boulder (2011), President's Teaching Scholar,
University of Colorado Boulder (2011), Associate Fellow,
American Institute of Aeronautics and Astronautics (AIAA,
2011)

*"This academic collaboration between TUM and the
University of Colorado Boulder is focused on the
development of a human spaceflight education program
and the support of enabling research projects through
student exchange opportunities."*

UK



Chris Lawn

Professor Emeritus of Thermo-fluids Engineering

Department of Engineering, Queen Mary University of
London, London, UK

Stay at TUM

Oct. – Nov. 2002

Host

Prof. Dr. Wolfgang Polifke

Research Interests

Turbulent combustion, gas turbines, thermo-acoustics,
biomass combustion, tidal power generation, particle
separation, heat transfer in fusion reactors

Awards / Honors (Selection)

PE Publishing Award of the Institution of Mechanical
Engineers (IMechE, 2009), Sugden Award of the British
Section of the Combustion Institute (2006), Esso Energy
Award (1988)

*"It was extremely stimulating to be in a research centre
with so many knowledgeable and mature students
working on closely-related topics."*



Russia



Vladislav E. Lazarev

Head

Internal Combustion Engines Department, South Ural State University, Chelyabinsk, Russia

Stays at TUM

Sept. – Dec. 2009, Sept. – Dec. 2011, Sept. – Dec. 2013

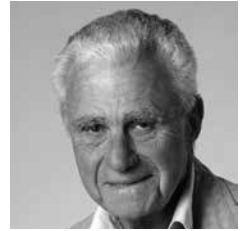
Host

Prof. Dr. Georg Wachtmeister

Research Interests

Decreasing of heat and mechanic loading and increase of the service life of precision components of diesel engine's and fuel equipment

USA



George Leitmann

Professor in Graduate School and Special Advisor to the Dean

College of Engineering, University of California, Berkeley, Berkeley, California, USA

Stays at TUM

Summer 1992, June – Sept. 1996

Host

Prof. Dr. Friedrich Pfeiffer

Research Interests

Dynamical systems, optimization, stabilizing uncertain systems

Awards / Honors (Selection)

Österreichisches Ehrenkreuz für Wissenschaft und Kunst I. Klasse (2013), Chevalier de la Légion d'honneur (2013), Großes Verdienstkreuz (1995), Humboldt Research Award (1983)

"It was a greatly productive stay due to the intellectual climate of TUM."



Canada



Zhong Sheng Liu

**Principal Research Officer and Group Leader for Energy,
Mining and Environment Engineering**

National Research Council, Vancouver, British Columbia,
Canada

Stay at TUM

Aug. 1995 – July 1996

Host

Prof. Dr. Friedrich Pfeiffer

Research Interests

Computational mechanics and its applications

Awards / Honors (Selection)

Queen Elizabeth II Diamond Jubilee Medal (2012),
Co-receiver of the Third Class National Natural Science
Award, China (1997), Outstanding Young Scientist Award,
Ministry of Human Resources of China (1997), Humboldt
Research Fellowship (1996)

*"I enjoyed very much my research stay at TUM. It has
played a significant role in forming my research career. So
many things such as the friendship with the people there,
the knowledge attained there and the unique experience,
I treasure."*

China



Jun Ma

Professor and Deputy Dean

School of Automotive Studies, Tongji University,
Shanghai, China

Dean

Automotive Marketing and Management Institute, Tongji
University, Shanghai, China

Coordinator

Sino-German E-Vehicle Development Network (MOST)

Stays at TUM

Apr. – May 2009, Apr. – May 2010, Nov. 2010, Dec. 2011,
Apr. – May 2012, May – June 2013

Hosts

Dr.-Ing. Frank Diermeyer, Prof. Dr. Markus Lienkamp

Research Interests

Automotive product management, automotive marketing,
automotive aftermarket

*"GlobalDrive project (with 'Doppeldiplomprogramm')
cooperated between TUM and Tongji University."*



Canada



Pierre Mertiny

Associate Professor and Director

Advanced Composite Materials Engineering Group,
Department of Mechanical Engineering, University of Alberta,
Alberta, Canada

Stay at TUM

Sept. 2012 – Aug. 2013

Host

Prof. Dr. Horst Baier

Research Interests

Polymer composites materials, filament winding,
nanocomposites, multifunctional materials and structures

Awards / Honors (Selection)

SAE Ralph R. Teetor Educational Award (2012), Faculty of
Engineering Teaching Award in Mechanical Engineering,
University of Alberta (2010-2011 and 2008-2009), Keynote
at the Polymer Processing Society (PPS) Annual Meeting,
Banff, Alberta, Canada (2010)

"My stay at TUM and in Munich was most enjoyable. The research environment along with the interaction and scientific discourse were very stimulating, making this a highly productive and inspiring year in terms of research. Moreover, the assistance and support for the development of a new lecture series is greatly appreciated. In terms of social life, my gratitude goes out to the members, residents and staff of the IBZ academic guest house and faculty club."

Serbia



Vojislav Miltenovic

Professor of Mechanical Engineering

Faculty of Mechanical Engineering, University of Niš, Niš,
Serbia

Stays at TUM

Sept. 1988, June – July 2002

Host

Prof. Dr.-Ing Hans Winter

Research Interests

Transmission, CVT, product development

"My stay at TUM had a great importance for me because it gave me the possibility to approach important research topics. The organisation of my stay was impeccable and the time spent with Professors Winter and Höhn was unforgettable."



USA



Assad Oberai

Professor of Mechanical Aerospace and Nuclear Engineering and Associate Director

Scientific Computation Research Center (SCOREC),
Rensselaer Polytechnic Institute (RPI), Troy, New York, USA

Stay at TUM

Feb. – Sept. 2009

Host

Prof. Dr.-Ing. Wolfgang A. Wall

Research Interests

Computational physics, multiscale problems, inverse problems

Awards / Honors (Selection)

Erasmus Mundus Master Course Lectureship at Universidad Politècnica de Catalunya, Barcelona, Spain (2010), Humboldt Research Fellowship (2009), Special Achievement Award for Young Investigators in Applied Mechanics, American Society of Mechanical Engineers (ASME, 2007), Faculty Early Career Development (CAREER) Award, National Science Foundation (NSF, 2005)

“One of the most vibrant and intellectually stimulating environments I have been a part of.”

USA



Chinedum Okwudire

Assistant Professor

Mechatronics and Sustainability Research Laboratory,
Department of Mechanical Engineering, College of
Engineering, University of Michigan, Ann Arbor, Michigan,
USA

Stay at TUM

Aug. – Nov. 2007

Host

Prof. Dr.-Ing. Michael Zäh

Research Interests

Mechatronics, design, control, vibrations, manufacturing,
energy efficiency, sustainability

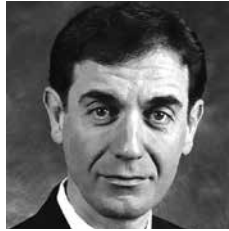
Awards / Honors (Selection)

Faculty Early Career Development (CAREER) Award, National Science Foundation (NSF, 2014), DAAD Research Fellowship (2007), Graduate Teaching Award, University of British Columbia, Canada (2005)

“I was very impressed by the facility, equipment and personnel at Institut für Werkzeugmaschinen und Betriebswissenschaften (iwb).”



USA



Michael Ortiz

Frank and Ora Lee Marble Professor of Aeronautics and Mechanical Engineering

Division of Engineering and Applied Science, Graduate Aerospace Laboratories, California Institute of Technology (Caltech), Pasadena, California, USA

Stays at TUM

Various visits between 2009 and 2013

Hosts

Prof. Dr. Wolfgang Wall, Prof. Dr. Patrick Dewilde, Dr. Markus Zanner

Research Interests

Solid mechanics, computational mechanics, and nonlinear and failure processes in solids

Awards / Honors (Selection)

Elected Member, US National Academy of Engineering (NAE, 2013), Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2010), Elected Fellow, American Academy of Arts & Sciences (AAAS, 2007), Rodney Hill Prize in Solid Mechanics, International Union of Theoretical and Applied Mechanics (IUTAM, 2008)

"My work at TUM-IAS under the auspices of the Hans Fischer Fellowship Program has been concerned with the development of the Advanced Cardiac Mechanics Emulator (ACME). The latter is a collaborative effort between TUM, UCLA and Caltech whose chief objective is the development of a complete computational model of the human heart enabling detailed and high-fidelity predictions of cardiac function."

Brazil



Mauri Palma

Assistant Professor

Laboratory of Treatment and Valorization of Effluents-LTVE, Department of Pharmaceutical and Biochemical Technology, School of Pharmaceutical Sciences, University of São Paulo, São Paulo, Brasil

Stays at TUM

Feb. – Aug. 1988, Apr. 2009 – June 2010

Hosts

Prof. Dr.-Ing. Eckhart Blass, Prof. Dr. Harald Horn

Research Interests

Liquid-liquid extraction, industrial wastewater treatment and valorization, chemical reaction engineering mass transfer polymer reaction engineering



Taiwan



Yuh-Chuan Shih

Professor

Department of Logistics Management, National Defense University, Bade, Taiwan

Stay at TUM

Feb. – Aug. 2012

Host

Prof. Dr. Klaus Bengler

Research Interests

Anthropometry of military, hand skin temperature on hand performance

India



Kedar Nath Shukla

Professor Emeritus and Former Director

Gurgaon College of Engineering, Gurgaon, India

Stays at TUM

June – Aug. 1985, Nov. 1990 – Jan. 1991

Hosts

Prof. Dr. Edgar Winter, Dr.- Ing. Jürgen Blumenberg

Research Interests

Fluid mechanics, heat transfer, nanofluids, numerical analysis, history of mathematics

Awards / Honors (Selection)

DAAD Visiting Professorship (2011), Humboldt Research Fellowship (1978)

“TUM provides an excellent research atmosphere with well equipped library, computational facilities and people eager to help when required. I conducted research on Phase Change Heat Transfer and initiated researches on Thermal Protection Systems for Launch vehicles. This led to joint research activities wherein several students of TUM partially completed their Diplom Thesis. In addition we conducted a joint Indo-German seminar on Heat Transfer in 1993 in Bangalore and an international conference in 2006 in Coimbatore.”



USA



Nam Pyo Suh

Ralph E. & Eloise F. Cross Professor Emeritus

Department of Mechanical Engineering, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA

Former President (2006 – 2013)

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea

Stay at TUM

A few weeks in 2002

Hosts

Prof. Dr.-Ing. Gunther Reinhart, Prof. Dr.-Ing. Michael Zäh

Research Interests

Axiomatic Design theory, polymer processing (microcellular plastics, USM foam molding process, Axiometer for moisture measurement in polymers, Electrostatic Charge Decay NDE technique, foam/straight plastic lamination/forming process), tribology (delamination theory of wear, solution wear theory, theory on the genesis of friction, coated cutting tools, the use of undulated surfaces to lower friction and wear, and new woven electrical connectors), metal processing (Mixalloy Process), the On-Line Electric Vehicle (OLEV) and the Mobile Harbor (MH)

Awards / Honors (Selection)

ASME Medal, American Society of Mechanical Engineers (2009), General Pierre Nicolau Award, College International pour la Recherche en Productique (CIRP, 2006), Ho-Am Prize for Engineering, Ho-Am Committee (1997)

Japan



Hirohiko Takuda

Professor and Dean

Graduate School of Energy Science, Department of Energy Science and Technology, Kyoto University, Kyoto, Japan

Stay at TUM

Dec. 1985 – Mar. 1987

Host

Prof. Dr. Horst Lippmann

Research Interests

Technology of plasticity, metal forming, light weight material

Awards / Honors (Selection)

JSTP Medal of the Japan Society for Technology of Plasticity, Humboldt Research Fellowship (1985)

"Very happy!"



USA



Jeff Trinkle

**Professor of Computer Science, Faculty Dean of
Residential Commons and Director of the
CS Robotics Lab**

Rensselaer Polytechnic Institute (RPI), Troy, New York, USA

Stay at TUM

Oct. 2009 – Aug. 2010

Host

Prof. Dr.-Ing. Gerd Hirzinger

Research Interests

Robot grasping and manipulation, multibody dynamics,
perception in contact tasks

Awards / Honors (Selection)

Humboldt Research Award (2009), IEEE Fellow

Medicine



Cameroon



Alain Bertrand Dongmo

Professor and Head

Laboratory of Animal Biology, University of Douala, Douala, Cameroon

Stays at TUM

May – July 2004, Aug. – Oct. 2008, June – Aug. 2009, Aug. – Sept. 2010, Dec. 2010 – Feb. 2011, Aug. – Sept. 2013

Host

Prof. Dr. Wolfgang Vierling

Research Interests

Natural substances from medicinal plants with therapeutic interest (antihypertensive, antiinflammatory and antioxydant)

Awards / Honors (Selection)

Humboldt Research Fellowship (2007)

USA



Claire Duvernoy

Chief

Cardiology Section, VA Ann Arbor Healthcare System

Associate Professor of Medicine

Division of Cardiovascular Medicine, Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan, USA

Stay at TUM

July 1996 – June 1997

Host

Prof. Dr. med. Markus Schwaiger

Research Interests

Cardiovascular and coronary heart disease in women, gender differences in outcomes after cardiac catheterization and percutaneous coronary intervention, the role of medical and lifestyle interventions for CHD prevention in women

Awards / Honors (Selection)

Listed in “Best Doctors in Metro Detroit”, Vital Magazine (2008), listed in “Best Doctors in America” (2012 and 2013), Humboldt Research Fellowship (1996)

“My experience at the Technische Universität München was invaluable to me. During that year, I designed and conducted a clinical trial for the first time, forming the basis for my future career in clinical research.”

Turkey



Beliga Meral Ercan

Professor Emeritus

Department of Nuclear Medicine, Faculty of Medicine,
Hacettepe University, Ankara, Turkey

Stays at TUM

Jan.1980 – Sept. 1981, June – July 1984, June – July 1986,
June – July 1990, July – Sept. 1997

Host

Prof. Dr. Hans Werner Pabst

Research Interests

Radiopharmacy, radiopharmaceuticals

Awards / Honors (Selection)

Humboldt Research Fellowship (1980), Fulbright Scholarship

"I had the opportunity to carry on my projects and contribute to the foregoing projects at the department. I also established long-term contacts with German colleagues and continued joint research after returning to Turkey."

Mexico



Edgar Garduño Angeles

Professor

Institute for Research on Applied Mathematics and Systems
(IIMAS), Department of Computer Science, Universidad
Nacional Autónoma de México (UNAM), Ciudad de México,
Mexico

Stay at TUM

Sept. – Dec. 2013

Host

Prof. Dr. Vasilis Ntziachristos

Research Interests

Medical and biomedical imaging, signal and image
processing, 3D reconstruction from projections, computer
graphics, image segmentation by fuzzy set principles, and
scientific visualization

Awards / Honors (Selection)

DAAD Research Visit Grant for Faculty (2013), Fellow of the
Mexican Academy of Sciences (AMC, 2009), Fellow of the
US-Mexico Foundation for Science (FUMEC, 2009)

"The objectives of the visit included starting collaborative work with the Institute for Biological and Medical Imaging of TUM on different aspects of the photoacoustic tomographic (PAT) pipeline such as modeling the forward process of image formation, image segmentation by fuzzy set principles, visualization using volume rendering with fuzzy set principles, and implementation of an algorithm for 3D reconstruction from projections. My visit to TUM was a great experience both personally and academically."

Hungary



Örs Péter Horváth

Professor of Surgery

University of Pécs, Pécs, Hungary

Stay at TUM

Apr. 1985 – Mar. 1986

Host

Prof. Dr. Jörg Rüdiger Siewert

Research Interests

GI surgery, oncology

Awards / Honors (Selection)

Balassa Award (2008), Hetényi Award (2006), Humboldt Research Fellowship (1985)

“My stay at TUM was excellent and valuable.”

Croatia



Anica Jušić

Professor Emeritus, Founder and Former Head

Institute for Neuromuscular Diseases, KBC Rebro, Zagreb, Croatia

Stays at TUM

1965 – 1966, 3 months in 1970, Oct. 1983, one short visit in 1990

Host

Prof. Dr. Albrecht Struppler

Research Interests

Neuromuscular diseases, electromyography and electroneurography, end-of-life care / hospice movement

Awards / Honors (Selection)

Humanity and Ethics Award, Medical Faculty, University of Zagreb (2008), Laureate, Croatian Academy of Medical Sciences (2002), Honorary member of the Croatian Medical Association (1992), Humboldt Research Fellowship (1965)

“My stay and research results from that time were the basis for my doctoral thesis, habilitation, and for my later professional development and research. Professor Struppler was my guest in Croatia many times. In 1991 when the war in Croatia started, he invited me to come to collaborate with him at his laboratory at the Klinikum rechts der Isar.”

USA

Walter Massion

Professor Emeritus of Anesthesiology, Physiology and Biophysics

College of Medicine, Department of Anesthesiology, University of Oklahoma

Adjunct Professor of Cardio-Respiratory Science

College of Health, Oklahoma City, Oklahoma, USA

Stays at TUM

May 1974 – July 1975, Apr. – July 1984

Hosts

Prof. Dr. Günther Blümel, Prof. Dr. Ernst Kolb

Research Interests

Respiratory physiology, hemorrhagic and septic shock, toxicity of anesthetic agents, experimental surgery

Awards / Honors (Selection)

Bundesverdienstkreuz 1. Klasse (1994), Honorarkonsul der Bundesrepublik Deutschland (1980-1995), Humboldt Research Award (1974)

"My stay and research experience at TUM was extraordinarily pleasant and fruitful. I published or co-authored 2 books and 12 papers as direct or indirect result of my stay in Munich. I made several lifelong friendships with a number of colleagues, hosted two young investigators from TUM (Dr. U. Pfeiffer, Ms. S. Blümel) at my laboratory in Oklahoma and established valuable liaisons with other research groups at TUM, the Max Planck Institut and the Ludwig-Maximilians-Universität. I consider my stay at TUM as one of the high points of my scientific career!"

China

Kai-feng Pan



Professor and Director

Department of Epidemiology, Peking University Cancer Hospital and Institute, Beijing, China

Stays at TUM

Oct. – Dec. 2011, Oct. – Nov. 2012

Host

Prof. Dr. Markus Gerhard

Research Interests

Cancer epidemiology, molecular epidemiology

Awards / Honors (Selection)

Leading Scientist in Cancer Epidemiology Award, Beijing Public Health Bureau (2011), Science and Technology Award, Beijing Municipal Government (2007)

"The field of research during my stay in TUM was the pathogenesis of Helicobacter pylori infection with specific emphasis on virulence factors and immune response. It was very helpful to classify Helicobacter pylori infected patients into high- and low-risk groups in the Chinese population."

Norway



Therese Halvorsen Røst

Postdoctoral Research Fellow

Research Group G2, Department of Clinical Science,
Faculty of Medicine and Dentistry, University of Bergen,
Bergen, Norway

Stays at TUM

Apr. – June 2012, Aug. 2013 – July 2014

Hosts

Prof. Dr. Hans Hauner, Dr. Helmut Laumen

Research Interests

Molecular biology, cellular mechanisms, nutrition, adipose
tissue, obesity, type 2 diabetes

*"I'm currently working as a postdoc on a cooperation
project between TUM and the University of Bergen,
Norway. The project is about human obesity and type 2
diabetes, and genetic and molecular mechanisms behind
the development of these diseases."*

USA



Robert Snyder

Professor Emeritus and Former Chair

Department of Pharmacology and Toxicology, Rutgers
University, Piscataway, New Jersey, USA

Stay at TUM

June – Aug. 2010

Host

Prof. Dr. med. Helmut Greim

Research Interests

Toxic and carcinogenic effects of benzene, specific
metabolites of benzene necessary for the production of
toxic effects

Awards / Honors (Selection)

Ambassador of Toxicology Award, Mid Atlantic Society of
Toxicology (MASOT, 2003), Education Award, Society of
Toxicology (SOT, 1996), Humboldt Research Award (1990),
Board of Trustees Award for Excellence in Research,
Rutgers University (1987)

Mexico

Luis Alfonso Vaca Dominguez



Professor of Cell Biology

Instituto de Fisiología Celular, Universidad Nacional Autónoma de México (UNAM), Ciudad de México, Mexico

Stays at TUM

Dec. 1999 – May 2000, Jan. – Mar. 2001

Host

Prof. Dr. med. Franz Hofmann

Research Interests

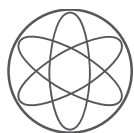
TRPC channel modulation and function, RNA interference (mechanisms and uses)

Awards / Honors (Selection)

Technological Development Award, National Chamber of the Pharmaceutical Industry (CANIFARMA, 2010), Miguel Aleman Valdés Award in Health Research (2001), Humboldt Research Fellowship (1999)

“TUM offers an excellent environment for academic work. Munich is a multicultural city with wonderful history, excellent food and a lively cultural life. The Institut für Pharmakologie und Toxikologie der TU München is located in a beautiful area, near the Englischer Garten.”

Physics





Israel



David Andelman

Professor and Head

School of Physics and Astronomy, Tel Aviv University,
Tel Aviv, Israel

Stay at TUM

Nov. 2002 – Feb. 2003

Host

Prof. Dr. Erich Sackmann

Research Interests

Soft condensed matter and biological physics, macro-molecules, amphiphiles and self-assembly, interfacial phenomena, electrostatics interactions in complex and macromolecular fluids

Awards / Honors (Selection)

Excellence in Teaching Award, Tel Aviv University (2006), Fellow of the American Physical Society (APS, 2004), Bourke Lectureship Award, The Royal Society, UK (2003), Humboldt Research Award (2002)

"I stayed for 3 months in the lab of Professor Sackmann (Biophysics) as part of my Humboldt Award visit. What I still remember very vividly are the many discussions and interactions that I had with diploma and PhD students in the group. The atmosphere was informal and exciting. I learned a lot!"

India



Ranjit Prasad Bahadur

Assistant Professor

Computational Structural Biology Laboratory, Department of Biotechnology, Indian Institute of Technology Kharagpur (IIT KGP), Kharagpur, India

Stay at TUM

May – July 2011

Host

Prof. Dr. Martin Zacharias

Research Interests

Computational structural biology, protein-protein, protein-nucleic acids interactions, macromolecular assemblies (their function and evolution)

Awards / Honors (Selection)

DAAD Research Fellowship (2011), Young Scientist Award, Indian National Science Academy (INSA, 2010)

"It was a very fruitful stay in Garching with Prof. Martin Zacharias in the Biophysics Department, leading to a collaborative research publication in an international journal."



France



Jean-Louis Barrat

Professeur de Classe Exceptionnelle

Laboratory for interdisciplinary Physics, Université Joseph Fourier, Grenoble, France

Stay at TUM

Oct. 1988 – July 1989

Host

Prof. Dr. Wolfgang Götze

Research Interests

Statistical physics, computer simulation, liquids, glasses, polymers, mechanical properties of amorphous systems, interfaces, granular systems, polymers, nanoscale heat transfer

Awards / Honors (Selection)

CNRS Silver Medal, Centre national de la recherche scientifique (2012), Langevin Prize, French Physical Society (SFP, 2000), CNRS Bronze Medal, Centre national de la recherche scientifique (1992), Humboldt Research Fellowship (1988)

“My stay at TUM as a Humboldt Fellow was scientifically and personally very enriching. I still keep excellent contacts with the German scientific community in the field, and cherish excellent memories of Munich and Garching.”

USA



Kit Hansell Bowen Jr.

E. Emmet Reid Professor of Chemistry

Johns Hopkins University, Baltimore, Maryland, USA

Stays at TUM

Sept. – Dec. 1999, June – July 2000, June – July 2002

Hosts

Prof. Dr. Edward W. Schlag, Prof. Dr. Ulrich Heiz

Research Interests

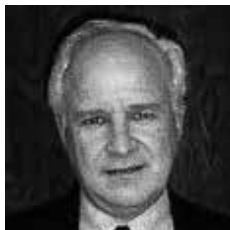
Clusters, anion photoelectron spectroscopy, cluster catalysis

Awards / Honors (Selection)

Humboldt Research Award (1999), Japan Society for the Promotion of Science (JSPS) Award (1999), Fellow, American Physical Society (APS, 1996), Member of Editorial Board, The Journal of Chemical Physics (1994 – 1997)



USA



Frank Bridges

Research Professor

Physics Department, University of California, Santa Cruz (UCSC), Santa Cruz, California, USA

Stays at TUM

1976 – 1977, 1979

Host

Prof. Dr. Helmut Kinder

Research Interests

Local distortions in materials, thermoelectric materials, negative thermal expansion materials, materials for solid state lighting and thin films for solar cell applications

Awards / Honors (Selection)

Outstanding Referee of the Physical Review, American Physical Society (APS, 2013), Fellow of the American Physical Society (APS, 2002), Humboldt Research Fellowship (1976)

"I enjoyed my time at TUM and got a lot of work done. The people I worked with were very supportive and I visited Kinder's group again in the 90s."

China



Junhao Chu

Professor

National Laboratory for Infrared Physics, Shanghai Institute of Technical Physics (SITP), Chinese Academy of Sciences

Dean

School of Information Science and Technology, East China Normal University (ECNU), Shanghai, China

Director

Shanghai Center for Photovoltaics, Shanghai, China

Stay at TUM

Mar. 1986 – Oct. 1988

Host

Prof. Dr. Frederick Koch

Research Interests

Semiconductor physics and device physics, infrared physics, photovoltaic solar cells, ferroelectric materials and devices

Awards / Honors (Selection)

Shanghai City Natural Science Award, First Class Category (2006), The Second Class National Natural Science Award, China (2005), Humboldt Research Fellowship (1986)

"During my stay at TUM I did a study on the physics of two-dimensional system of narrow gap semiconductors, set up an empirical model for subband structure of surface electron of narrow gap semiconductor, found spin resonance of the surface electron, and obtained dispersion relation of the surface electron with zero field spin splitting. Most of the results have been cited as a chapter in my recent book 'Device Physics of Narrow Gap Semiconductors' (Springer, 2009)."



China



Jian Fu

Associate Professor and Director

Research Center of Digital Radiation Imaging and Biomedical Imaging (DRI/BMI), School of Mechanical Engineering and Automation, Beijing University of Aeronautics and Astronautics, Beijing, China

Stays at TUM

Sept. – Nov. 2010, July – Aug. 2011 and Aug. 2012

Host

Prof. Dr. Franz Pfeiffer

Research Interests

Image reconstruction and processing methods, engineering techniques and applications for x-ray absorption-contrast, phase-contrast and dark field radiography and computed tomography

Awards / Honors (Selection)

New Century Excellent Talents in University Award, Ministry of Education, China (2013), National Technological Invention Award, China (2012), Beijing Nova Award, Beijing Municipal Science & Technology Commission (2009)

Brazil



Carlos F. O. Graeff

Professor in Materials Science

Departamento de Física, Faculdade de Ciências, Universidade Estadual Paulista (UNESP), São Paulo, Brazil

Stay at TUM

May 1994 – July 1996

Host

Prof. Dr. Martin Stutzmann

Research Interests

Electronic magnetic resonance, organic semiconductors, solar cells, transistors

Awards / Honors (Selection)

Humboldt Research Fellowship (1994)

"My postdoc at TUM brings me nice memories. I had a very productive time with access to state of the art equipment and high level researchers that were decisive in the first years of my career. At the same time, I had a nice time with my family with very positive experiences, the highlight was the birth of my youngest son."

France

Christine Grauby-Heywang



Assistant Professor

Laboratoire Ondes et Matière d'Aquitaine, Université
Bordeaux 1, Talence, France

Stay at TUM

Sept. 1998 – Aug. 1999

Host

Prof. Dr. Erich Sackmann

Research Interests

Lipids, langmuir monolayers, planar monolayers and bilayers,
fluorescence microscopy, atomic force microscopy

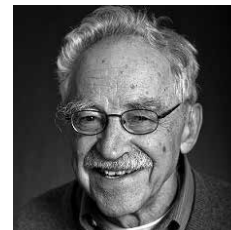
Awards / Honors (Selection)

Humboldt Research Fellowship (1998)

*"My stay at TUM was very positive in every respect and
fruitful at both the scientific and personal level."*

USA

Ernest M. Henley



Professor and Dean Emeritus

Institute for Nuclear Theory, University of Washington, Seattle,
Washington, USA

Stays at TUM

June – July 2000, May 2010

Host

Prof. Dr. Wolfram Weise

Research Interests

Symmetries, quarks in nucleon

Awards / Honors (Selection)

Member and Former President (1992), American Physical
Society (APS), Tom W. Bonner Prize in Nuclear Physics,
American Physical Society (APS, 1989), Humboldt Research
Award (1984), Member, National Academy of Sciences (NAS,
1979)

*"I have enjoyed my association with TUM and found it
profitable."*



Italy



Gino Isidori

Research Director

Laboratori Nazionali di Frascati (LNF), Istituto Nazionale di Fisica Nucleare (INFN), Frascati, Italy

Stays at TUM

Jan. – Apr. 2000, Jan. – Dec. 2010

Host

Prof. Dr. Andrzej Buras

Research Interests

Fundamental interactions, effective field theories, physics beyond the standard model

Awards / Honors (Selection)

Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2009), Antonio Stanghellini Fellowship, Italian Society of Physics (SIF, 1994)

Russia



Yuri Kagan

Professor and Head

Solid State Theoretical Division, National Research Center “Kurchatov Institute”, Moscow, Russia

Stays at TUM

Nov. 1994 – Jan. 1995, Sept. – Oct. 1997, Nov. – Dec. 1999, Dec. 2000, Nov. 2003, Oct. 2006

Hosts

Prof. Dr. Rudolf Mößbauer, Prof. Dr. Sighart Fischer

Research Interests

Quantum theory of condensed matter, theory of classical and quantum gases

Awards / Honors (Selection)

Triumph Award, Russia (2006), Humboldt Research Award (1994), Karpinskii Prize (1994), Full Member (Academician), Russian Academy of Science

“During my awardee stay I had close and fruitful contact with many theoretical and experimental groups at TUM and other German Institutions. Detail analysis of obtained and planned results, lectures and seminars contributed to the development of such areas as: coherent phenomena at the resonant interaction of gamma-quanta and synchrotron radiation with crystals, Bose-condensation of ultracold atoms, relaxation phenomena in amorphous solids.”



Japan



Hideyuki Maki

Associate Professor

Department of Applied Physics and Physico-Informatics,
Faculty of Science and Technology, Keio University Hiyoshi,
Yokohama, Japan

Stay at TUM

Nov. 2010 – Oct. 2011

Host

Prof. Dr. Alexander Holleitner (Holleitner Group, Walter
Schottky Institut)

Research Interests

Nano device, carbon nanotubes, graphene, nanowires,
polymers, quantum device, electronic device, optoelectronic

China



Jie Meng

Cheung Kong Professor

School of Physics, Peking University, Beijing, China

Stays at TUM

Aug. 1994 – Dec. 1996, July – Aug. 2002

Host

Prof. Dr. Peter Ring

Research Interests

Theoretical nuclear structure

Awards / Honors (Selection)

Fellow of the American Physical Society (APS, 2012),
Exotic Nuclei Community GENCO Membership Award,
GSI Helmholtzzentrum für Schwerionenforschung GmbH
(2010), Achievement in Asia Award, Global Chinese Physics
Association (2009), Humboldt Research Fellowship (1995)



USA



Vladimir Mitin

SUNY Distinguished Professor

Department of Electrical Engineering, University at Buffalo,
Buffalo, New York, USA

Stays at TUM

Aug. 2009, several times since then

Host

Prof. Dr. Peter Vogl

Research Interests

Photodetectors, solar cells, nanostructures, graphene

Awards / Honors (Selection)

Distinguished Professor of 2005, New York State Office of
Science, Technology and Academic Research (NYSTAR,
2005), Humboldt Research Fellowship (1983), Fellow of IEEE,
Fellow of SPIE

USA



Rabindra N. Mohapatra

Professor of Physics and Associate Director

Maryland Center for Fundamental Physics (MCFP), College
Park, Maryland, USA

Stays at TUM

July 2005, June – Aug. 2006, June 2010

Hosts

Prof. Dr. Manfred Lindner, Prof. Dr. Michael Ratz

Research Interests

Elementary particle theory and cosmology

Awards / Honors (Selection)

Humboldt Research Award (2005), “Distinguished
Scholar-Teacher” Award, University of Maryland (2001-2002),
Distinguished Physicist Award, American Chapter of the
Indian Physics Association (2000), Fellow of the American
Physical Society (APS, 1980)



Poland

Janusz Rosiek



Professor

Institute of Theoretical Physics, Physics Department,
University of Warsaw, Warsaw, Poland

Stays at TUM

Sept. 2000 – June 2002, Sept. 2003 – June 2004

Host

Prof. Dr. Andrzej Buras

Research Interests

Elementary particle physics, phenomenology of
supersymmetric models, flavor and CP violation in rare
decays

Awards / Honors (Selection)

Humboldt Research Fellowship (1995)

*"My stay at TUM was very productive. I had friendly and
experienced host as well as a strong research group. Also
the city and its surroundings are great for living."*

Bulgaria

Marushka Sendova-
Vassileva



Associate Professor

Central Laboratory of Solar Energy and New Energy Sources,
Bulgarian Academy of Sciences, Sofia, Bulgaria

Stay at TUM

Aug. – Oct. 1997

Host

Prof. Dr. Martin Stutzmann

Research Interests

Thin film solar cells, organic solar cells, Raman spectroscopy

*"During my stay at TUM I learned a lot. It was a very
helpful and pleasant experience for me."*



China



Shikong Shen

Professor of Chemistry

China National Petroleum Corporation (CNPC) Key Laboratory of Catalysis, Faculty of Chemical Engineering, China University of Petroleum at Beijing (CUPB), Changping, Beijing, China

Stay at TUM

Sept. 1981 – Feb. 1983

Host

Prof. Dr. Dietrich Menzel

Research Interests

Natural gas conversion to chemicals and hydrocarbons, catalytic oxidation of light hydrocarbons, surface chemistry and physics of catalysis

Awards / Honors (Selection)

First Science and Technology Progress Award, China Petroleum & Chemical Corporation (2002), First Class National Science and Technology Progress Award, China (1983), Second Class National Natural Science Award, China (1982), Humboldt Research Fellowship (1981)

"I spent one and a half year as a Humboldt Fellow at the Lehrstuhl für Experimentalphysik E20. During this wonderful time, I not only learned advanced surface science techniques and theories from Professor Menzel and his colleagues, but also, more importantly, their professionalism, seriousness and dauntless efforts to explore scientific truth. The encounter with these outstanding characters and indomitable spirits was of benefit to me for my entire life."

USA



Michael Shur

Patricia W. and C. Sheldon Roberts Professor of Solid State Electronics and Director

RPI site of "Connection One", National Science Foundation Industry/University Cooperative Research Center (NSF I/UCRC), Rensselaer Polytechnic Institute (RPI), Troy, New York, USA

Stays at TUM

Feb. – Mar. and Oct. 2003, June – July 2004, July 2005, July 2010

Hosts

Prof. Dr. Oliver Ambacher, Prof. Dr. Martin Stutzmann

Research Interests

Semiconductor materials and devices, LEDs, smart solid state lighting, terahertz devices and systems

Awards / Honors (Selection)

Tibbetts Award, US Small Business Administration (SBA, 2012), IEEE Donald Fink Best Paper Award (2007), IEEE Leon K. Kirchmayer Graduate Teaching Award (2007), Humboldt Research Award (2003)

"It was a very useful and rewarding experience that broadened my research horizons."

Japan



Katsuhiko Suzuki

Associate Professor

Department of Physics, Faculty of Science, Tokyo University of Science, Shinjuku, Tokyo, Japan

Stay at TUM

Sept. 1995 – Mar. 1998

Host

Prof. Dr. Wolfram Weise

Research Interests

Hadron, elementary particles, quark, gluon

Awards / Honors (Selection)

Humboldt Research Fellowship (1996)

"It was very valuable for me to collaborate with German researchers as well as postdocs from other countries at TUM."

USA



Janet Tate

Professor of Physics

Department of Physics, Oregon State University, Corvallis, Oregon, USA

Stay at TUM

Nov. 1987 – Aug. 1989

Host

Prof. Dr. Helmut Kinder

Research Interests

Electronic materials, thin films, electrical and thermal transport

Awards / Honors (Selection)

Milton Harris Award in Basic Research, College of Science, Oregon State University (2007), Frederick H. Horne Award for Sustained Excellence in Teaching, College of Science, Oregon State University (2002), Humboldt Research Fellowship (1987)

"TUM was an excellent research environment and a great place to start a career in research."



Japan



Uma Thanganathan

Assistant Professor

Research Core for Interdisciplinary Sciences (RCIS), Okayama University, Okayama, Japan

Stay at TUM

June 2002 – Oct. 2003

Host

Prof. Dr. Ulrich Stimming

Research Interests

Materials chemistry, physical science, material science, catalysts, fuel cells, batteries

Awards / Honors (Selection)

Humboldt Research Fellowship (2002), Japan Society for the Promotion of Science (JSPS) Fellowship (2005 – 2007)

"I got excellent experiences at TUM during my post-doctoral research period; life was nice, coworkers gave excellent support. I lived in Garching, people are honest and gave nice support over there. I would like to get a faculty position in Germany and to collaborate with suitable laboratories over there. I therefore hope to get nice opportunities to come back in future and to continue my research work in Germany."

USA



Devarajan Thirumalai

Distinguished University Professor

Biophysics Program, Institute for Physical Science and Technology (IPST), University of Maryland, College Park, Maryland, USA

Stays at TUM

Dec. 2009, Mar. 2010, May – July and Dec. 2010, Mar. – May 2011

Host

Prof. Dr. Matthias Rief

Research Interests

Molecular biophysics, liquid to glass transition, soft matter, molecular machines

Awards / Honors (Selection)

Honorary Hans Fischer Senior Fellowship, TUM Institute for Advanced Study (IAS, 2010), Fellow of the Royal Society of Chemistry (RSC, 2009), Humboldt Research Award (2009)

"The stay at TUM was a highlight of my scientific life. I was pleased to be involved in the forefront of research in TUM. The research initiated then continues and I very much look forward to my visit again."



Australia



Anthony W. Thomas

Australian Laureate Fellow (Australian Research Council) and Elder Professor of Physics

Special Research Centre for the Subatomic Structure of Matter (CSSM) and Centre of Excellence in Particle Physics (CoEPP), School of Chemistry and Physics, The University of Adelaide, Adelaide, Australia

Stays at TUM

Nov. 1996, Jan. 1997, various other visits since then

Host

Prof. Dr. Wolfram Weise

Research Interests

Quarks and gluons, QCD, symmetry violation, chiral symmetry, physics beyond the standard model, dense matter, QCD origin of atomic nuclei, dark matter, physics beyond the Standard Model and Econophysics

Awards / Honors (Selection)

Centenary Medal for service to Australian society and science in Theoretical Physics (2003), Harrie Massey Medal of the UK Institute of Physics (IOP, 2000), Thomas Ranken Lyle Medal, Australian Academy of Science (1997)

"Extremely enjoyable and productive collaboration. Much of the book 'The Structure of the Nucleon' was written with Professor Weise during these visits."

USA



Mihran Tuceryan

Professor

Department of Computer and Information Science, Indiana University-Purdue University Indianapolis (IUPUI), Indianapolis, Indiana, USA

Stay at TUM

June – Dec. 2004

Host

Prof. Dr. Gudrun Klinker

Research Interests

Computer vision, image processing

"I had come to TUM for my sabbatical leave as a visiting faculty in the Department of Computer Science. I spent 6 months and it was very productive and excellent. My family and I also loved living in Munich very much."



China



Mingkui Wang

Professor

Michael Grätzel Center for Mesoscopic Solar Cells, Wuhan National Laboratory for Optoelectronics (WNLO), Huazhong University of Science and Technology (HUST), Wuhan, China

Stay at TUM

Mar. 2005 – Feb. 2007

Host

Prof. Dr. Ulrich Stimming

Research Interests

Efficient and stable solid-state dye-sensitized solar cells and photo-electrochemical studies on visible light induced water splitting

Awards / Honors (Selection)

Humboldt Research Fellowship (2005)

"My research focuses on electrochemistry with an emphasis on electron transfer process and the role it plays in energy production and transportation. I spent two years with Prof. Ulrich Stimming at the Physics Department of TUM to develop new technology for the evaluation of topological and electron-transfer properties of enzymes down to a single molecule level using in situ electrochemical scanning tunneling microscopy. This project has been funded by the Alexander von Humboldt Foundation, with the objective of developing 'smart' enzymatic fuel cell systems, which have the advantage of not requiring precious metals and being able to generate fuel from a wide variety of possible fuel sources."

Japan



Masahiro Watanabe

Professor and Director

Fuel Cell Nanomaterials Center, University of Yamanashi, Kofu, Japan

Stay at TUM

2011

Host

Prof. Dr. Ulrich Stimming

Research Interests

Development of materials for various type fuel cells, mechanistic study of fuel cell reactions, hydrogen production/purification

Awards / Honors (Selection)

Gold Medal Award, International Society of Electrochemistry (ISE, 2013), Chemical Society of Japan (CSJ) Award (2013), Minister Award for Science & Technology (Development Field), Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan (2008), Visiting Fellowship, TUM Institute for Advanced Study (IAS, 2010), Distinguished Affiliated Professor, TUM

"I have co-organized international Fuel Cell Workshops six times in Yamanashi since 1998 with Prof. Stimming of TUM, who has been a guest professor of the University of Yamanashi (UY). Furthermore, we have given lectures at each other's universities. Based on such a background, we agreed to prepare an exchange program in research and education between TUM and UY, and attended to the signing ceremony at the TUM administrative office in September 2011. This event still resonates in my memory."



USA



Sotiris Xantheas

Laboratory Fellow

Chemical Physics and Analysis, Physical Sciences Division,
Pacific Northwest National Laboratory (PNNL), Richland,
Washington, USA

Stay at TUM

June – July 2009

Host

Prof. Dr. Alfred Laubereau

Research Interests

Structures, vibrational spectra, electric properties and energetics of aqueous clusters, quantitative description of many-body non-additive effects in clusters and condensed phase environments, development of interaction potentials based on first principles to study water, ice and aqueous solvation of ions

Awards / Honors (Selection)

Director's Award for Outstanding Performance, Pacific Northwest National Laboratory (PNNL, 2013), Visiting Fellowship, TUM Institute for Advanced Study (IAS, 2012), Humboldt Research Award (2009), Friedrich Wilhelm Bessel Research Award, Alexander von Humboldt Foundation (2003), Fellow of the American Association for the Advancement of Science (AAAS, 2010), Fellow of the American Physical Society (APS, 2005)

"Spending time at the Garching Campus of the TUM: The right balance between intellectual interactions, culture, history and cosmopolitan life that ultimately leads to noteworthy accomplishments!"

Japan



Toshimitsu Yamazaki

Professor Emeritus

Faculty of Science, University of Tokyo, Tokyo, Japan

Stays at TUM

1969, June – July 2000, Mar. 2001, May – Aug. 2004,
July – Sept. 2006, July – Aug. 2008, Aug. 2010, Aug. 2012

Hosts

Prof. Dr. Paul Kienle, Prof. Dr. Hans-Joachim Körner

Research Interests

Prediction and search for kaonic nuclei and kaon condensation

Awards / Honors (Selection)

Visiting Fellow, TUM Institute for Advanced Study (IAS, 2012), Doctor Honoris Causa, University of Torino (2002), Humboldt Research Award (2000), Fujiwara Prize (1994), Japan Imperial and Academy Prize (1987)



China



Hou-Zhi Zheng

Professor

State Key Laboratory of Superlattices and Microstructures,
Institute of Semiconductors, Chinese Academy of Sciences,
Beijing, China

Stay at TUM

Sept. 1979 – Sept. 1981

Host

Prof. Dr. Frederick Koch

Research Interests

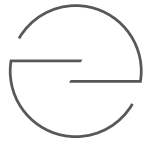
Physics, semiconductor, spintronics, optoelectronics

Awards / Honors (Selection)

Ho Leung He Lee Scientific & Technological Prize in Physics,
Ho Leung Ho Lee (HLHL) Foundation, Hong Kong (2007), First
Class Prize for Achievement in Natural Sciences, Chinese
Academy of Sciences (1994)

"This was my first stay at a worldwide prestige institution since China opened its doors. I not only learned the advancement of science and technology at that time, but also their quintessence. It was my stay at TUM that brought me directly to the scientific frontier. My experience there was very valuable for my later scientific career."

TUM School
of Management





Taiwan



Argon Chen

Professor

Graduate Institute of Industrial Engineering and Department of Mechanical Engineering, National Taiwan University (NTU), Taipei, Taiwan

Stay at TUM

Oct. – Dec. 2013

Host

Prof. Martin Grunow

Research Interests

Applied statistical inference, supply chain data mining, engineering data mining, medical data mining

Awards / Honors (Selection)

National Biotechnology Industrial Innovation Award (2010)

“Convenient guest house (IBZ) for international researchers, great industrial co-op opportunities in Munich area and vigorous research activities at TUM.”

China



Qing Di

Assistant Professor

Top 500 Enterprises Research Center, Shanghai University of Finance and Economics (SUFE), Shanghai, China

Stay at TUM

July 2012 – July 2013

Host

Prof. Dr. Isabell Welp

Research Interests

Organizational behavior, innovation

USA



Alan P. Fiske

Professor

Department of Anthropology, University of California, Los Angeles (UCLA), Los Angeles, California, USA

Stay at TUM

June 2013

Host

Prof. Dr. Isabell Welpé

Research Interests

Psychological anthropology, relational models theory, social cognition, moral psychology, moral emotions, social motives, violence

"I had the great pleasure of meeting and working with Prof. Dr. Isabell M. Welpé and her research group. The visit was of great value to me, and has fostered a wonderful collaboration. I am grateful for their wonderful hospitality, as well as their guiding me around Munich as we discussed research plans and theory."

Switzerland



Marc Gruber

Professor

Chair of Entrepreneurship & Technology Commercialization, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Stay at TUM

Jan. 2014

Host

Prof. Dr. Holger Patzelt

Research Interests

Entrepreneurial opportunity identification, technology commercialization, organizational imprinting in new firms

Awards / Honors (Selection)

TUM Research Excellence Award in Innovation and Leadership (2012), "Thought Leader Award", Entrepreneurship Division of the Academy of Management (2012, 2010 and 2009)

"Great, inspiring and friendly atmosphere! I had many interesting discussions about research projects with professors, postdoc and PhD students. Simply a wonderful time."



USA



Madeline E. Heilman

Professor of Psychology

Department of Psychology, New York University (NYU), New York City, New York, USA

Stay at TUM

Nov. – Dec. 2012

Hosts

Prof. Dr. Isabell Welpe, Prof. Dr. Claudia Peus

Research Interests

Gender bias in organizations, gender stereotypes, preferential selection processes

Awards / Honors (Selection)

Director of Graduate Studies, Department of Psychology and Coordinator, Industrial/Organizational Psychology Program, New York University (NYU), Consulting Editor, Journal of Applied Psychology (since 1988)

"My stay at TUM was both fun and productive. The atmosphere was intellectually stimulating and very welcoming. I met many interesting faculty and students, and began research projects that continue to this day."

USA



Selwyn Piramuthu

Professor

Information Systems and Operations Management, University of Florida, Gainesville, Florida, USA

Stay at TUM

Sept. 2011 – Feb. 2012

Host

Prof. Dr. Martin Grunow

Research Interests

RFID, supply chain management, data mining, big data, IoT

"I am grateful to Professor Martin Grunow, who was very kind to allow me to join his group during my visit to TUM. My stay was definitely productive for my research, with ample support from and Interactions with Professor Martin Grunow and his research group as well as students at the TUM School of Management. At a personal/social level, everyone in my family enjoyed our stay in Munich."



Hong Kong



Jason D. Shaw

Chair and Professor, Co-director

Centre for Leadership and Innovation, Department of Management and Marketing, Faculty of Business, The Hong Kong Polytechnic University (PolyU), Hung Hom, Hong Kong

Stay at TUM

Oct. 2012

Hosts

Prof. Isabell Welp, Dr. Prisca Brosi

Research Interests

Team effectiveness, turnover patterns, individual differences, psychology of financial incentives

Awards / Honors (Selection)

Faculty Research Award, Carlson School of Management, University of Minnesota (2011, 2007), Best Paper Award, Conflict Management Division, Annual Meeting of the Academy of Management, Anaheim, California, USA (2008), Second place in the Award for Best Paper in the field of Organizational Behavior (2005)

"I enjoyed my time at TUM immensely. I learned a great deal from the outstanding scholars in the Chair for Strategy and Organization. The faculty and staff were very supportive. I plan to return in the near future and hope for many years of collaboration with people at TUM."

China



Hui Sun

Associate Professor

Department of Industrial Engineering, School of Mechanical Engineering, Southeast University, Nanjing, China

Stay at TUM

July – Dec. 2012

Host

Prof. Dr. Martin Grunow

Research Interests

Production and inventory control, manufacturing systems modeling, applied operations research

Awards / Honors (Selection)

National Natural Science Award, China (2008)

"It was a wonderful experience! I benefited a lot from sharing research experiences with my colleagues at TUM. Thanks very much for Prof. Dr. Martin Grunow's great help and support."



The Netherlands



Gerben Van Kleef

Professor of Social Psychology

University of Amsterdam, Amsterdam, The Netherlands

Stay at TUM

May 2013

Hosts

Prof. Dr. Isabell Welpe, Dr. Prisca Brosi, Lisa Ritzenhöfer,
Tanja Schwarzmüller

Research Interests

Emotion, power, conflict, social influence

Awards / Honors (Selection)

Best Dissertation Award, International Association for Conflict Management (IACM, 2005), Early Career Award, European Association of Social Psychology (EASP, 2008), Most Influential Paper Award of the Academy of Management (AOM, 2002 – 2005)

"I had a number of highly inspiring meetings. The hospitality was great."

Editorial Note

A special thank goes to the research alumni portrayed in this brochure for the support given during its creation. We also thank all members of TUM – deans, chairs, professors, researchers, secretaries and administrative staff – that have helped us setting up the contact with their former guest researchers and provided us with support and information whenever needed.

The collected profiles have been created in collaboration with the portrayed persons, who have provided the Alumni & Career office of TUM with the required personal data. We apologize for any errors, inaccuracies and omissions that may have occurred in the editing process.

For this first edition of “Once a Guest, Forever a Friend” there was only a comparatively small database of research alumni available. Unfortunately we could only contact the few research alumni whom we – the Alumni & Career office - knew and had a valid address of. We will be happy to include other research alumni in the next editions of this brochure. Please send us a mail if you would like to join our network: alumni@tum.de

Acronyms & abbreviations

For the sake of readability for a non-specialist public, we have generally spelled out acronyms, followed by the acronym in brackets. Exceptions have been made when this would have substantially impaired readability or in the case of frequently recurring acronyms of world-renowned associations (such as the Institute of Electrical and Electronics Engineers, which has been consistently abbreviated as IEEE). Likewise, we have generally abbreviated the names of frequently recurring institutions when they appear in combination with awards / honors (e.g., Humboldt Research Award instead of Alexander von Humboldt Foundation Research Award).

Faculties

The classification of the research alumni according to faculties is based on the faculty of the host at TUM as provided by the research alumni themselves.

Portrait photos

The portrait photos of the researchers are in their private possession, unless noted otherwise in the imprint. Given the heterogeneous sources of the photographs, we apologize for not being able to ensure an absolute quality standard.

Researchers' statements

The researchers' statements are always original in wording and language, except for minor changes and corrections made for the sake of legibility, as well as abridgements due to layout demands.

Titles

The word 'Professor' in the research alumni profiles always refers to the position of Full Professor. For other kinds of positions, we have used the full, official designation as provided by the person concerned (e.g., Associate Professor, Postdoctoral Fellow).

For practical reasons, we have simplified the titles of the hosting TUM professors, for whom the title of 'Prof. Dr.' has generally been used. This also applies for professors that hold more doctoral titles or are now Emeriti. Based on common use, we have made an exception to this rule for Medical Doctors (Prof. Dr. med.) and Doctors of Engineering (Prof. Dr.-Ing.).

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