

Mourning for Prof. Dr. Thomas Schmidt

The TU Dresden mourns the loss of Prof. Dr. Thomas Schmidt (*1963), who on 01.08.2019 was unexpectedly and far too early torn from this world in a traffic accident. In 2003, Prof. Schmidt was appointed to the Chair of Plant Cell and Molecular Biology at TU Dresden. An obituary pays tribute to the esteemed researcher, colleague and mentor on the TUD [website](#).



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RESEARCH NETWORKED

Science put on the table:

48th German Food Chemists' Day at the TU Dresden →



What's in our food? This was discussed by scientists in numerous facets at the 48th German Food Chemists' Day in Dresden, which was attended by over 500 food chemists from research, industry and monitoring from 16th to 18th September. "Food chemistry is chemistry at the interfaces to medicine, biology and the engineering sciences," said **Prof. Thomas Henle**, Dean of the Faculty of Chemistry and Food Chemistry and chairman of the local committee of the Food Chemists' Day. He does not only want to link theory and practice, but also to stimulate an interdisciplinary forum: "For us, food chemistry is much more than food analysis, but natural research in the original sense – the subject is the basis for the explanation of all scientific questions around the topic of food". The focus this year was on chemical reactions in food, plant foods, consumer goods and cosmetics, but other topics also came from the table to the teaching board: from cutting-edge basic research, for example on reaction products from the thermal treatment of foods, to food law, including guidelines on vegan and vegetarian foods. More than 30 plenary and discussion lectures as well as a poster and industry exhibition offered a platform for information and networking.

Particularly excellent research was also particularly rewarded: In a festival meeting the Food Chemical Society – organizer of the conference and largest specialized group in the German Chemical Society – among other things awarded Dr. Michael Hellwig the Werner Baltes Prize for young scientists. At the Chair of Food Chemistry at TU Dresden, he is researching the protein oxidation of food. Further conference topics, in particular nano milk vehicles and food contact materials, which were presented from Dresden circles too, as the [complete article](#) (German) elaborates.

14th German Probability and Statistics Days (GPSD) at TU Dresden

The 14th German Probability and Statistics Days (GPSD) 2020 are taking place at TU Dresden on 24th - 27th March 2020. The GPSD conferences are organized every two years with the support of the DMV-Fachgruppe Stochastik e.V. In 6 plenary lectures and 14 specialized sections with 14 keynote lectures the GPSD covers the full spectrum of probability, statistics and their applications in physics, biology, finance, insurance and data science. From young scientists to senior researchers, the GPSD invites to present and discuss current developments. More information and the registration form can be found at: www.gpsd-2020.de



On Bees and Humans - A Love Affair between Nature and Culture →

Bees and humans have a relationship that goes back to the Stone Age. Due to their efficient division of labour and their collective sense of purpose, they are regarded as role models and companions of humans. What the bee means to us will be discussed at the [symposium "On Bees and Humans - A Love Affair between Nature and Culture"](#) on 10th October, 2019 – in the framework of maximal interdisciplinarity, according to the goal of the organizing team consisting of **Dr. Anja Buttstedt** from the Chair of Molecular Biophysics, and **Dr. Solvejg Nitzke** from the Chair of Media Studies and Modern German Literature: "Research in the humanities and natural sciences nowadays unfortunately no longer takes place together, but rather side by side, if not in competition. However, bee research in particular has always crossed disciplinary boundaries and so the aim of the symposium is to offer a forum for different perspectives in order to bring bee research back into the dialogue that makes it socially relevant and communicable". Interested parties can register until 30th September by sending an e-mail to beesyposium@mailbox.tu-dresden.de.



EXCELLENT

„Article of the Year Award“ for Food Chemists Prof. Thomas Henle and Dr. Michael Hellwig →

Prof. Thomas Henle and **Dr. Michael Hellwig** from the Chair of Food Chemistry were awarded the "Article of the Year Award" of the Journal of Agricultural and Food Chemistry (JAFC) and the American Chemical Society Division of Agricultural and Food Chemistry (AGFD) on 27th August. The JAFC is the largest scientific journal for food chemistry published in the USA. The award ceremony took place at the American Chemical Society (ACS) Fall Meeting in San Diego, California. Prof. Henle and Dr. Hellwig received the award for their 2018 publication on brewer's yeast. During the malting process, the so-called Maillard reaction produces compounds between carbohydrates and amino acids, which are responsible for the colour, but also for typical malt flavours of beer. Until now, the influence of beer yeasts on the so-called Maillard products was unknown. Prof. Henle and Dr. Hellwig showed in their publication that brewer's yeasts can convert Maillard products into subsequent products during the brewing process.



© Thomas Henle

Chemist Stefan Kaskel from TU Dresden appointed Distinguished Visiting Professor at Tsinghua University (Beijing) →

In recognition of his outstanding scientific achievements, Prof. Stefan Kaskel, Chair of Inorganic Chemistry I, has been awarded a three-year Distinguished Visiting Professorship at Tsinghua University in Beijing. Prof. Kaskel's research focuses on advanced inorganic materials for energy applications, battery- and photovoltaic materials as well as environmental and electro catalysis, and he is one of the world's renowned experts in metal-organic frameworks. Clarivate Analytics and Thomson Reuters have repeatedly included Prof. Kaskel in their list of "Highly Cited Researchers". He is a member of the European Academy of Science, the German Chemical Society (GDCh), DECHEMA, the American Chemical Society and he is a Fellow of the Royal Chemical Society. Being a Distinguished Visiting Professor at Tsinghua University enables Prof. Kaskel to further expand scientific cooperation with China in the field of energy materials.

Tsinghua University in Beijing is the leading technical and scientific university in China and is one of the most renowned and best universities in the country. For Prof. Kaskel, the visiting professorship is both a great honour

DRESDEN Technology Portal (DTP)

Are you already using the DRESDEN Technology Portal (DTP)? At <https://dresden-technologieportal.de>, this central online technology portal for all partners of DRESDEN-concept is to support the sharing of scientific infrastructure and services. The tool enables users to search for single instruments, complex systems, services and facilities, as well as specific expertise. In return, it is also a tool to provide infrastructure and services to the scientific community and to present the structure and main research expertise of institutes and working groups, as well as to initiate collaborations and technology transfer. The interface to the TU Dresden's WebCMS enables the automated synchronization of DTP contents with the own websites.



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and a challenge: "The dynamics at Tsinghua University are impressive and a great motivation to accelerate innovative technologies for the *Energiewende* and the German market."

Notices



© Horst Hartmann

Honorary medal of the TU Dresden for Prof. Horst Hartmann: Prof. Horst Hartmann received the honorary medal of the TU Dresden for his services to the Historical collection of dyes. The 81-year-old emeritus professor of organic chemistry has been in charge of the collection at the Faculty of Chemistry and Food Chemistry on an honorary basis since 2003. "Without his outstanding specialist knowledge and commitment, the collection of dyes would not have been possible to maintain in its current form over the past few years," stated the TU Dresden. →

Prof. Xinliang Feng is a new member of the Academia Europaea:



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Xinliang Feng, Professor of Molecular Functional Materials, has been elected a member of the Academia Europaea. After his doctorate at the Max Planck Institute for Polymer Research in 2008 and several years at the MPI and Shanghai Jiao Tong University, he joined the TU Dresden in 2014. He has published over 470 papers on his research, which focuses on 2D and low-dimensional nanomaterials for energy storage and conversion as well as new energy devices and technologies. The Academia Europaea promotes the excellence of science for public benefit and public education.

PROMOTING YOUTH

Reinforcement in particle physics projects for young people →

„Netzwerk Teilchenwelt“ ("Particle World Network") is being reinforced in terms of personnel and content by the universities of Bonn, Mainz and Münster. The association of 30 research institutes is coordinated by **Prof. Michael Kobel**, Dean of the Faculty of Physics at the TU Dresden, and **Dr. Uta Bilow**, Group Leader Science Communication at the Institute of Nuclear and Particle Physics, and at the TU Dresden. In their mission to bring the physics of the smallest particles to schools throughout Germany, they will in future be able to rely on junctions in Bonn, Mainz and Münster. Here, new offers from the research area of hadron and nuclear physics will be developed and regional offers coordinated.

Call for tenders within the framework of the "Equality and Diversity Incentive Fund" →

As an inclusive university, the TU Dresden promotes diversity. In order to improve participation, financial resources are available for 2020 to promote equality and diversity. The budget is intended to support innovative ideas for new measures and existing projects. Applications should be sent via e-mail by 25th October to:

diversity.management@tu-dresden.de.

More information on the call for proposals and an application form can be found [here](#).



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FLiK module: "Human-machine interaction in industrial production systems" in the 2019/20 winter term →



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The Centre for Interdisciplinary Learning and Teaching (ZiLL) announced a new "FLiK" module ("Forschen und Lernen im interdisziplinären Kontext" – "research and learning in an interdisciplinary context") for the 2019/20 winter term. The module „Human-machine interaction in industrial production systems" addresses, among others, students of psychology – especially in the master's programme „Human Performance in Socio-Technical Systems" (HPSTS). In the research workshop with an accompanying method seminar (both on Fridays, 5th and 6th double lesson in HSZ/103/U), own research projects are developed, discussed and implemented under expert supervision in interdisciplinary working groups. How man and machine are challenged in interactions, e.g. in complex production plants, and how this can be shaped by digitalisation and other interventions, is the topic of the module. Registration is now possible in the [education portal](#).

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