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ORGANISATIONAL STRUCTURE

New statutes of the School of Science in force

On October 1st, the new statutes of the School of Science came into force (published in [Amtliche Bekanntmachungen der TU Dresden 27/09/2017](#)). The Faculty of Mathematics and Natural Sciences has therefore completely transformed into the School of Science according to § 4 of the *Grundordnung TUD*. The formerly known departments are renamed faculties. All previous institutions and bodies of the Faculty of Mathematics and Natural Sciences will continue their duties until new institutions and bodies are constituted. The officials will continue until their successors have assumed their office. The mid-term elections for the new Faculty Boards and Equal Opportunities Officer for the remaining term (until end of 2018) are to take place on November 28th/29th. Prof. Clemens Kirschbaum will remain the Chairperson of the School of Science, his position having been democratically legitimized by the Faculty Board election in 2015. The same applies to the School Committee as well as the Equal Opportunities Officer (and deputy).

RESEARCH

Dresden Burnout Study: Hair cortisol as biological marker for burnout

Within the Dresden Burnout Study, a team of scientists are first to describe the association between a high level of hair cortisol/ hair cortisone and burnout symptoms. The results of this study have recently been published by the renowned scientific journal *Psychoneuroendocrinology*. Biopsychologist Marlene Penz and her colleagues therein present cross-sectional data from 314 hair samples, which show that people with typical burnout symptoms such as emotional exhaustion and reduced efficacy have a higher level of hair cortisol and hair cortisone. By contrast, no significant associations were found between depressivity and hair cortisol/ hair cortisone. Read the full article at: <https://doi.org/10.1016/j.psyneuen.2017.07.485>

The AOW Conference celebrates its 10th anniversary in Dresden

From September 13th to September 15th, the 10th conference of the section Work-, Organizational- and Business-Psychology (AOW) of the German Psychological Society took place at the DGUV-Congress Center. The chairs of Engineering Psychology and Applied Cognitive Research (Prof. Dr. Pannasch) and Work- and Organizational Psychology (Prof. Dr. Wegge) hosted 588 German and international scientists. Also researchers from the fields of personnel and engineering psychology participated. In addition to 255 interesting research presentations, 39 symposia composed of 217 presentations and 62 posters displaying a wide variety of state-of-the-art research, four high-profile international keynote-speakers inspired the audience: Prof. Mo Wang (University of Florida), Prof. Erich Kirchler (University of Vienna), Prof. Alexander S. Haslam (University of Queensland) and Prof. Neville A. Stanton (University of Southampton). The organization team would like to thank all student helpers and all the other people involved for their great support. Without their clever and generous commitment this conference – that according to their minds was highly successful – would not have been possible! More information at <http://aow2017.de/>

AWARDS

Poster award for Dipl.-Psych. Sören Kuitunen-Paul

From September 18th – 20th 2017, the German Addiction Congress headed by the German Society for Addiction Research and Addiction Therapy (DG-Sucht) and the German Society of Addiction Psychology (DG SPS) took place in Lübeck. Mr. Sören Kuitunen-Paul, psychologist and research assistant at the Institute of Clinical Psychology and Psychotherapy (TU Dresden), was awarded the young scientists poster award of the German Society for Addiction Research and Addiction Therapy for his poster "Obsessive Compulsive Drinking Scale (OCDS-G): Psychometrische Eigenschaften der deutschen Version bei alkoholholabhängigen Patienten im Entzug".

EVENTS

Teaching Day at TUD

The TU Dresden will dedicate November 15th to "Teaching Day" and invites you to a variety of events at the central lecture hall.

Participate and be inspired! All teaching staff and students as well as the general public interested in teaching and learning are cordially invited to lectures, sessions, presentations and panel discussions starting at 12 until 6.30 pm.

Highlight:

5:00 – 6:30 pm:

Panel discussion on the topic "Excellent research = excellent teaching?"

Does excellent research automatically equal excellent teaching? A number of TU Dresden representatives of the university administration, the schools and students will discuss this question.

More information at: <https://tu-dresden.de/tagderlehre>

Please register: <https://tu-dresden.de/tagderlehre/anmeldung>

Award by the German Society for Plant Sciences for Dr. Birgit Oelschlägel

During this years botanist's convention in Kiel on September 19th, the German Society for Plant Sciences (Deutsche Botanische Gesellschaft, DBG) awarded three excellent young scientists. Amongst them was Dr. Birgit Oelschlägel. She was awarded the Horst Wiehe Prize, endowed with 1.500€, for her dissertation written at the Chair for Botany, headed by Prof. Dr. Christoph Neinhuis.

In her dissertation, she revealed how the smartwort *Aristolochia rotunda* attracts its pollinator, the frit fly *Chloropidae*. Dr. Oelschlägel discovered the special pollination system in which the plant imitates a special scent which attracts the frit fly thereby ensuring its reproduction. This discovery explains an until now unknown part in the highly complex interaction between pollinators and plants.

ESBRA Young Investigator Award goes to Dr. Sebastian Trautmann

Dr. Sebastian Trautmann, research assistant at the Institute of Clinical Psychology and Psychotherapy, received the Young Investigator Award 2017 by the European Society for Biomedical Research on Alcoholism (ESBRA) for his research on the connection between stress and alcohol consumption. The award ceremony took place within the 16th ESBRA congress from October 8th – 11th 2017 in Iraklion (Crete, Greece).

RETROSPECT: INTERNATIONAL SUMMER SCHOOLS

"Micromotors from Nature to Engineering" - autonomous drive for interdisciplinary excellence in research

The international summer school "Micromotors from Nature to Engineering" took place from August 13th to 18th at the School of Science and was organized by Dr. Juliane Simmchen (Faculty of Chemistry/Food Chemistry) and Dr. Benjamin Friedrich (Faculty of Physics and Cfaed). In the past five years, microswimmers have become the subject of a vibrant research field. At TU Dresden, they are an object of research in biology, chemistry, physics, mathematics and material sciences. Research institutes such as the Leibniz Institute for Solid State and Materials Research Dresden (IWF) and the Leibniz Institute of Polymer Research Dresden (IPF) are working intensively on the advancement of these fascinating micro particles. The organisation team successfully convinced the Dresden microswimmer-experts to partake in the summer school. This enabled the approximately 30 participants from all over the world to benefit from an excellent, interdisciplinary programme in an interactive format. The open format provided ample opportunity for mutual exchange of interests and networking amongst the international guests and the Dresden researchers. A major success for all sides.



Group picture of the International Summer School Micromotors. Copyright: Juliane Simmchen.

International Summer School on Topology- and Symmetry-Breaking

From August 14th to 18th, about 40 young researchers from ten countries met at art'otel Dresden for an international and interdisciplinary Summer School hosted by the School of Science. The event entitled "Topological and Symmetry-Broken Phases in Physics and Chemistry – Theoretical Basics and Phenomena Ranging from Crystals and Molecules to Majorana Fermions, Neutrinos and Cosmic Phase Transitions" was organised by Prof. Dominik Stöckinger, Prof. Hans-Henning Klauss, and Dr. Paolo Michetti from the Faculty of Physics and Prof. Thomas Doert from the Faculty of Chemistry and Food Chemistry.

Nine internationally renowned scientists could be attracted as lecturers for the Summer School. Their outstanding commitment and their didactically excellently structured lectures significantly contributed to the success of the Summer School. At the end of the week, the participants, lecturers as well as organisers were enthusiastic and inspired by the intensive and successful working week and left the conference site feeling enriched by new insights, impressions, and personal contacts.



Group pictures of the International Summer School on Topology and Symmetry-Breaking at the art'otel Dresden. Copyright: Alina Markova.

10th European Summer School in Financial Mathematics"



Group picture of the European Summer School in Financial Mathematics. Copyright: Martin Keller-Ressel.

Approximately 71 international PhD students and young scientists from the field of financial mathematics came together for the "10th European Summer School in Financial Mathematics" from August 28th to September 1st at TU Dresden. This year's 3rd summer school at the School of Science was organized by the Open Topic Chair of Stochastic Analysis and Financial Mathematics headed by Prof. Dr. Martin Keller-Ressel. The event was financed by the Institutional Strategy of TU Dresden, but did not form part of the funding programme "International Summer Schools".

The event focused on "rough volatility" and the mathematical description of financial markets with transaction costs. The four mini-courses and 15 short lectures were rounded off with a cultural programme: A relaxing steamer cruise on the river Elbe afforded the opportunity to enjoy the last sunrays of the summer.

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