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**WELCOME AT THE SCHOOL OF SCIENCE**
**Network Dynamics as a crossdisciplinary bridge**


Prof. Dr. Marc Timme. @private

**Prof. Dr. rer. nat. Marc Timme** became the head of the Chair of Network Dynamics at the Institute of Theoretical Physics on 1 July. With his crossdisciplinary research on network dynamical systems, he will be bridging theoretical physics, biology and engineering.

"I am looking forward to explore the broad expertise present at TUD both in engineering and biology and simultaneously research and teach in the deeply theoretical environment provided by the Institute of Theoretical Physics as well as the innovation-driven applied realms

of the Center for Advancing Electronics Dresden. Most interesting to me are questions centered between established research fields and I am happy to take the challenge of building true bridges from life sciences to theory to technical applications", states Prof. Timme.

**Chair of Clinical Psychology and Behavioural Neuroscience**

The Chair of Clinical Psychology and Behavioral Neuroscience evolved from the redesignation of the former Chair of Clinical Psychology and Psychotherapy. It strengthens and links the Faculty of Psychology's focus areas in clinical-

psychological and neuroscientific research. The chair is established within the Institute of Clinical Psychology and Psychotherapy (ICPP) and was taken over by **Prof. Dr. Philipp Kanske** on 1 August. His research focuses on the neuronal basis of social behaviour, as well as psychopathological changes and plasticity through training and psychotherapy. The chair will work closely with the faculty's Neuroimaging Centre and the outpatient Clinic for Clinical Psychology and Psychotherapy.



Prof. Dr. Philipp Kanske. @private

**Chair of Didactics of Mathematics**


Prof. Dr. Andrea Hoffkamp. @private

On 1 August, **Prof. Dr. Andrea Hoffkamp** was appointed at the Chair of Didactics of Mathematics. Following her doctorate at the TU Berlin and a post-doc phase at the Humboldt Universität Berlin, she already successfully substituted at the Chair of Didactics of Mathematics at TUD for two semesters. Her research focuses on current challenges in the educational landscape in mathematics. She will pursue the topics of heterogeneity and inclusion, the organization of structured subject-related learning and securing basic knowledge, the development and evaluation of teacher training formats and the transition of school to university.

**New Chair of Quantum Many-Body Theory**

**Prof. Dr. Jan Carl Budich** has been researching the interface between solid-state physics, nuclear-, molecular- and optical physics at the Chair of Quantum Many-Body Theory of the Faculty of Physics since 1 October. His group especially focuses on the role of geometry and the topology in quantum many-body physics. Prof. Budich considers the Faculty of Physics at TUD as well as the numerous subject-related Dresden research institutions an excellent environment for his work, also because of the large number of excellent physics' students. In his lectures, he teaches the whole spectrum of theoretical physics. In addition, he will also offer special lectures in quantum many-body theory.



Prof. Dr. Jan Budich. @private

## EXPANDING OUR PUBLIC RELATIONS

Since November 1st, the School of Science's Public Relations has grown by the commitment of Susann Lederer. As Public Relations Advisor, she is sharing press work, monthly newsletter, webpages updating, as well as further external and internal communications with Nicole Gierig, spreading topics of research, teaching and the school's administration. A PR traineeship and several years in Public Relations and editorial work – amongst others for technology companies, travel agents and news magazines – shaped Ms. Lederer's dedication for conceptual communications.

With empowered personal resources, Ms. Gierig and Ms. Lederer are going to strive the School's public relations forward in terms of a new strategic communicational concept.

The PR office will be happy to receive, support and process your suggestions for external and internal communication of interesting projects and project results, personalities, courses of studies, events and important happenings at all faculties.



Susann Lederer. ©private

goals? Why do they often fail thereby and how does success and failing in the self-regulation influence the life of humans, their performance, their social relationships, and their health? The answers on these questions lay the foundation for theoretically based psychological interventions aiming at the improvement of the self-regulation of humans and therewith at approaching different social problems.

## Junior professor for Correlated Electrons and Topology



Prof. Dr. Hong-Hao Tu.  
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Starting 1 October, **Jun.-Prof. Dr. Hong-Hao Tu** is appointed as Junior Professor for Correlated Electrons and Topology at the Faculty of Physics. His research field is theoretical condensed matter physics. He is interested in developing theories for describing exotic quantum phases that emerge from strong interactions of many particles. In particular, topological phases of matter, which may constitute the basic building block of future quantum information processing devices, are his current focus of research. "TUD and its neighboring institutes provide an excellent environment for carrying out my work, because of many leading scientists nearby and the wonderful support by SFB 1143: Korrelierter Magnetismus: von Frustration zu Topologie. Thus, I sincerely hope that my research and teaching will contribute to the excellence of TUD", so Tu.

## Junior professor for Applied Mathematics



Jun.-Prof. Dr. Christian Mendl. ©private

**Jun.-Prof. Dr. Christian Mendl** was appointed to the Chair of Applied Mathematics at the Institute of Scientific Computing on 1 October. At TUD, he is going to research on computational physics and simulation, non-equilibrium statistical physics, kinetic theory and Boltzmann equations. Moreover, he will continue his research from Stanford, where, as a postdoc, he worked on quantum Monte-Carlo simulations for high temperature superconductors for more than two and a half years. According to Jun.-Prof. Mendl, the word 'excellence' means, "Thinking in large contexts with a close look on the details, different perspectives by exchange and cooperation."

## New Chair of Social Psychology

**Prof. Dr. Veronika Job** became the head of the Chair of Social Psychology on 1 November. In her research, she mainly focuses on determinants, processes and consequences of self-regulation and goal achievement in social contexts. How do humans succeed in controlling their actions in such a way that they achieve long-term



Prof. Dr. Veronika Job. ©private

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