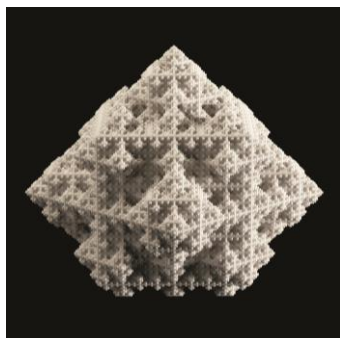


NEWS

Mathematical models of TU Dresden on display in national exhibitions


Daniel Lordick „Fractal Cube“
Iteration step four. Picture
credits: Eberle & Eisfeld /
Berlin

TU Dresden is in possession of one of the largest collections of mathematical models in Germany. Mathematical Models are primarily used to create a spatial understanding of even complex spatial circumstances. This haptic, sensuous experience cannot be replaced by photos, drawings or virtual models. The transition from mathematical models to pieces of art is often continuous. Prof. Daniel Lordick from the Institute of Geometry is the collection representative and feels very delighted about the huge demand of the models, some of which are going to be on display in different exhibitions in the upcoming months. Several of these loan items are fractal models and dendrimer structures created by Prof. Lordick himself.

<https://mathematical-models.org/>

Overview of ongoing exhibitions:

Göttlich Golden Genial - from 9.9.2016 to 26.02.2017 in Berlin

Main topic is the golden section.

<http://www.mfk-berlin.de/goettlich-golden-genial-weltformel-goldener-schnitt/>

+ultra. gestaltung schafft wissen - from 29.9.2016 to 8.1.2017 in Berlin

Fractals in combination with city structures.

<https://www.kulturtechnik.hu-berlin.de/de/content/ultra-gestaltung-schafft-wissen-30092016-8012017-martin-gropius-bau-berlin/>

Die beste der möglichen Welten. Was uns und die Welt verbindet – from 17.9.2016 to 1.1.2017 in Dresden

Special exhibition in the Leibniz year 2016 in cooperation with the Dresden Center for Sciences and Art. The exhibition also shows works by Prof. Axel Voigt.

<http://www.tsd.de/de/mm/ausstellungen/sonderausstellungen/reader/title/Die-beste-der-moeglichen-Welten>

AWARDS

DAAD Prize 2016 for International Students awarded to Mr. Čolić from the Department of Psychology


Jasmin Čolić at the EABCT-
conference in Stockholm.
Credits: J. Čolić

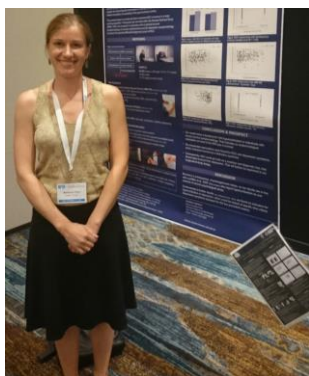
Jasmin Čolić from Bosnia-Herzegovina is awarded this year's DAAD Prize for International Students following the proposal of his mentor Prof. Dr. Jürgen Hoyer. The prize honours his excellent study performance in the Master's programme *Clinical Psychology and Psychotherapy* as well as his extraordinary social commitment. Mr. Čolić is outstandingly dedicated to the support of traumatized refugees. He initiated the voluntary project "Psy-Pate", which supports the psychological care of refugees in Dresden and its surroundings and which helps them to better integrate in society. Mr. Čolić considers the award a great honour and personal encouragement, "The prize is a wonderful recognition for my achievements. It is a confirmation that I am on the right track with my project. Moreover, it is a great motivation to continue my work eagerly and to follow my dreams."

Members of the Dresden Burnout Study receive poster awards on conferences in Miami and Havana



Magdalena Kanthak presents her poster in Cuba. Credits: Marlen Schmicker

Magdalena Kanthak attended with over 400 other participants from 40 countries the world congress of the International Organization of Psychophysiology (IOP) 2016. The congress took place in Havana, Cuba from 31 August to 4 September. On this occasion, Ms Kanthak presented a poster titled "Modulation of autonomic function in burnout and depression: the critical role of exhaustion", including data from the first biomarker profiling of the Dresden Burnout Study. She therefore received the poster award of the congress. The Dresden Burnout Study is being carried out since January 2015 at the Chair of Biopsychology. Ms. Kanthak's focus of research lies in the changes of the autonomic nervous system due to chronic stress.



Marlene Penz in front of her poster in Miami. Credits: Marlene Penz

From 8 to 11 September, more than 200 junior neuroscientists met on the 46. annual conference of the ISPNE (International Society of Psychoneuroendocrinology) in Miami, USA. Marlene Penz, research assistant at the Chair of Biopsychology and team member of the Dresden Burnout Study, presented a poster titled "Hair cortisol as a biological marker for burnout symptomatology: Data from the Dresden Burnout Study". In the poster, Ms Penz shows the results of the study concerning the cortisol level taken from hair samples. According to the results, people with high burnout symptomatology tend to have a higher level of cortisol than the people with no or little burnout symptomatology. For this contribution, Ms. Penz received a poster award.

<https://burnout-studie.psych.tu-dresden.de/>

INTERNATIONAL AFFAIRS

International Summer School Chemistry / Biology from 4th to 8th October

The creation of a sustainable and zero waste industry of the future requires an efficient recycling management and the utilization of *Urban Mining*. The key to achieve this ambitious goal will be the availability of new selective leaching processes. From 4 to 8 October around 30 junior researchers from over twelve countries got an introduction to modern leaching processes including certain aspects of *bio-leaching* at the International Summer School *Bio-Leaching and Metal Extraction Processes for Urban Mining: From Fundamental Principles to Practical Applications*. The Summer School was organized by Prof. Jan J. Weigand (Chair of Inorganic Molecular Chemistry) and Prof. Marion Ansorge-Schumacher (Chair of Molecular Biotechnology) and was funded by the Institutional Strategy of TU Dresden.

<https://tu-dresden.de/mn/internationales/veranstaltungen/sommerschulen/summerschool2016-extraction>

Guided city and campus tours for new international students and members of the School of Science

The International Office School of Science is starting the new semester with a variety of campus and city tours in English for newcomers and everybody interested to learn more about Dresden's history and culture. On 15th of October, there will be a **guided tour on foot**, starting from the campus and heading for the old and new city of Dresden. The guide will give insight in the history of Dresden, tell you something about the culture and some nice little anecdotes about our beautiful city. Details: **15 October, 1.15 – 4 p.m.**, meeting point: Willers-Bau, entry C, (registration till 14 October at nicole.gierig@tu-dresden.de)

A second guided tour will lead you through **Hellerau** - The first German "Garden City. – In cooperation with the TUD Welcome Center, the International Office would like to invite you to this quarter of Dresden famous for its art and gardens. Since there is a limited number of participants, please register quickly at nicole.gierig@tu-dresden.de. Details: **22 October, 11 a.m till 1 p.m.**, meeting point: Deutsche Werkstätten Hellerau, Moritzburger Weg 67 (registration till 14 October)

TEACHING METHOD OF THE MONTH

Second E-Teaching Day by the Media Center on 21 October – register now!



The second E-Teaching-Day on 21 October offers the opportunity for all interested lecturers at TUD to get first impressions on e-learning, to exchange experience, to collect new ideas and to learn about new supporting formats.

The event bearing the title “from lecturers to lecturers” takes place at the Hörsaalzentrum of TUD from 9 a.m. to 4 p.m. In a wide range of formats, you will have the possibility to learn more about Wikis, virtual class rooms, e-assessment, flipped classrooms and many more. Moreover, the e-learning-strategy of TU Dresden will be presented and discussed. You are welcome to attend single or all events of the day. Participation is for free. For questions, please contact Dr. Claudia Börner (claudia.boerner@tu-dresden.de)

Details:

Where? Hörsaalzentrum, Bergstr. 64

When? 21 October, 9a.m. to 4 p.m.

For more information and registration go to:

https://tu-dresden.de/die_tu_dresden/zentrale_einrichtungen/mz/veranstaltungen/e_teaching_day

SERVICE

New webpages of the Graduate Academy are online!

The [Graduate Academy \(GA\)](#) presents itself in a new design. As the central service point for all questions concerning graduation and beyond, the GA offers support in funding and qualification.

The aim of the **qualification program** is to support junior researchers during all stages of their academic career, during and immediately after their doctorate. Therefore the program provides training opportunities tailored to the needs of their actual or next career step. All courses of the winter semester 2016/17 are now available online for registration. The program covers seminars and workshops in the four areas „Towards the PhD”, “Professional in Science”, “Management & Leadership” and “Career Development”

- [Overview of all courses](#) in the winter semester 2016/17
- Courses for [Doctoral Candidates](#)
- Courses for [Postdocs](#)

Advice

Every Thursday between 9 a.m. and 6 p.m., the GA offers the possibility for all doctoral candidates and postdocs being member of the GA to use the GA Writing Lab including workspaces, workshops and writing advice. More information at [GA-Writing Lab](#)

CURRENT ANNOUNCEMENTS ON FUNDING OPPORTUNITIES AND GRANT CALLS

Support and advice by the Project Scouts team

The team of [TU Dresden Project Scouts](#) would like to inform you about some of the current announcements of the Federal Ministry of Education and Research (BMBF). The Project Scouts are offering formal and strategic advice and support for these and other projects.

BMBF Bekanntmachung - **Erdgebundene Astrophysik und Astroteilchenphysik** (*document only available in German*)

<https://www.bmbf.de/foerderungen/bekanntmachung-1247.html>

Deadline 01. November 2016

BMBF Bekanntmachung - **Förderung von Diskursprojekten zu ethischen, rechtlichen und sozialen Fragen in den modernen Lebenswissenschaften** (*document only available in German*)

<https://www.bmbf.de/foerderungen/bekanntmachung-1243.html>

Deadline 22. November 2016 (12:00 Uhr MEZ)

Herausgeber: Prof. Clemens Kirschbaum, Dekan der Fakultät Mathematik und Naturwissenschaften, Sprecher Bereich MN
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