

INSTITUTIONAL STRATEGY

- [_Register Now for SprInt Intercultural Courses in Winter Semester 2018/19](#)
- [_FLiK Module "Bionics" to Resume](#)
- [_Nine Visiting DRESDEN Fellows](#)
- [_GA Provides Information about Career Paths after the PhD](#)
- [_GA Award Conferred for Excellence in PhD Supervision](#)
- [_DDc in Search of IT Project Staff](#)

CLUSTERS OF EXCELLENCE

- [_Optoelectronics Meets Molecular Biology, with CRTD Participation](#)
- [_The VISIOMAT Comes to the Uni!](#)
- [_BeWISE 2018: Women in Science and Engineering](#)
- [_Professor Brigitte Voit Receives Hermann Staudinger Prize](#)

Dear Readers,

The decision has been made: On 27 September 2018, the German Research Foundation announced the approval of three out of six TUD proposals for Clusters of Excellence as part of the Excellence Strategy:

- **CeTI: Center for Tactile Internet**
(Spokesperson: Prof. Frank Fitzek)
- **ct.qmat: Complexity and Topology in Quantum Materials**
(Spokesperson: Prof. Matthias Vojta)
- **PoL: Physics of Life**
(Spokesperson: Prof. Stephan Grill)

CeTI and PoL submitted single applications, ct.qmat applied in co-operation with the University of Würzburg. Starting on **1 January 2019**, the three TUD Clusters of Excellence will receive funding for the next **seven years**.

A total of 57 cluster projects at 34 universities have been selected for the first Excellence Strategy funding period from 2019 to 2025. Much more than intended: 45 to 50 clusters were planned.

The **two existing TUD Clusters of Excellence** CRTD (Center for Regenerative Therapies Dresden) and cfaed (Center for Advancing Electronics Dresden) will be continued through funds provided by the Free State of Saxony and TU Dresden.

With three approved Clusters of Excellence, TUD is eligible to re-apply for the title "University of Excellence" – only universities with at least two approved Clusters get a chance to compete in the 2nd funding line "Universities of Excellence".

After the Cluster decision, there are now 17 single universities and 2 university consortia – including all existing Universities of Excellence except Bremen – still in the race.

The schedule is tight: Our University of Excellence application must be submitted by **10 December 2018**. International reviewers will inspect TU Dresden in **February 2019**.

The final decision will be made on 19 July 2019. There will be exciting months to come!

Register Now for SprInt Intercultural Courses in Winter Semester 2018/19

The SprInt Programme is entering another semester and from the end of October 2018 to the beginning of March 2019, will be offering a series of seminars for the acquisition of intercultural competences. The spectrum of cultures addressed ranges from **Europe and Latin America to South-East Asia and the Arab region**.

An **information session** for newcomers on the SprInt Programme will take place on **9 October 2018**, 2 to 3:30 p.m., at the Auditorium Centre (*Hörsaalzentrum*), room 304.

FLiK Module "Bionics" to Resume



(Photo: see publishing details)

The project "Research and Learning in an Interdisciplinary Context (FLiK) Bionics" is continuing. The opening lecture will deal with **biological structures and materials** as well as with techniques for the analysis of their functional principles. It also goes into the realisation of technical and technological **imitations of natural models**. Teachers from different disciplines will be contributing their perspectives.

The FLiK modules for researching and learning in an interdisciplinary context were developed by the Centre for Interdisciplinary Learning and Teaching (ZiLL) as part of TU Dresden's Institutional Strategy, and provide students with the opportunity to gain interdisciplinary insights into current research.

The aim of the two-semester modules is to enable students to carry out **independent research projects** within the framework of research workshops.

Prof. Maik Gude (Institute of Lightweight Engineering and Polymer Technology) is responsible for the modules. The lectures start on **11 October 2018**, and will take place on Thursdays, 2:50 p.m., room 403 at the Auditorium Centre (*Hörsaalzentrum*). Registration is still possible.

Nine Visiting DRESDEN Fellows

TUD would like to welcome nine new visiting scientists under the DRESDEN Fellowship Programme. They have **started their stays of up to six months at TUD** in recent weeks in order to further develop scientific collaborations and joint research projects.

GA Provides Information about Career Paths after the PhD

"PhD – and then what?" Sooner or later, all doctoral candidates will have to confront this question. On **26 October 2018**, the Graduate Academy (GA) will once again be offering all doctoral students and postdocs at TU Dresden the opportunity to inform themselves about **career prospects outside science** at the 5th Career Day. The event will take place from 9:30 a.m. in the Festsaal (*Ballroom*) on Dülferstraße.

At roundtable discussions, GA alumni will report on how their personal careers started, give helpful tips and be available to answer individual questions. In addition to numerous workshops on various career aspects, the extensive programme will also

include coaching opportunities and a photo shoot session for job applications.

It is not necessary to register for this event.

GA Award Conferred for Excellence in PhD Supervision

In order to highlight the importance of good supervision of junior scientists, the Graduate Academy (GA) has now, for the second time, awarded a prize for excellence in PhD supervision.

This year, the GA Executive Committee decided to split the prize and to confer the award on two supervisors.

The award winners are:

- **Jun.-Prof. Dr. Stephanie Duchek**
Junior Professorship in Strategic Management
- **Prof. Susanne Strahringer**
Chair of Business Informatics

The number of nominations (44), and also the very personal eulogies given by the doctoral candidates and postdocs show that **excellent work in supervising junior scientists** is being done at TU Dresden.

DDc in Search of IT Project Staff

As part of the [Campus4You](#) project, [DRESDEN-concept](#) is looking for an **IT project staff member/application manager** to start at the earliest possible date on an unlimited contract.

[Campus4You](#) is a joint project involving the [HTW Dresden](#) and TU Dresden, which aims to combine the functions of student and employee ID cards, canteen cards, semester tickets and library cards in a single **multi-functional chip card**. The chip card is also intended to allow access to buildings, car parks and rooms. Its introduction is planned for September 2019.



(Photo: Katharina Neumann/HTW Dresden)

The full job advert is available on the [DDc website](#). The deadline for applications is **14 October 2018**.

Optoelectronics Meets Molecular Biology, with CRTD Participation

An **interdisciplinary project** that combines the advanced [methods of optogenetics with precise real-time computer holography](#) has recently been launched at TU Dresden. The project pools the expertise of the [Chair of Measurement and Sensor System Technique at TUD](#) (Prof. Jürgen Czarske) and the [research group of Dr. Volker Busskamp at the Center for Regenerative Therapies Dresden \(CRTD\)](#). It is funded for three years by the German Research Foundation (DFG) with a total sum of about 500,000 euros.

By **combining optical systems with genetics**, genetically modified cells can be controlled by means of light. The research results are of great importance for the investigation of neurodegenerative diseases such as Alzheimer's and Parkinson's.

The VISIOMAT Comes to the Uni!

In the summer of 2018, 140 children and young people took part in workshops – together with scientists from [Center for Advancing Electronics Dresden \(cfaed\)](#) and [TU Dresden](#) as well as with artists and drama teachers – to consider what **work** might look like **in future**. Now the time has come to discover the results of this process in an interactive exhibition that is being held in a shipping container. Under the title

“VISIONAT”, an **artistic research archive** has been created, which is full of unfinished visions, important questions, secret messages and quirky technology.



(Photo: Matthias Hahndorf)

The exhibition container is currently making a stopover in front of the **Barkhausen building at TU Dresden** (entrance: Helmholtzstraße 18), and can be viewed here on weekdays between **11 a.m. and 3 p.m.** until **12 October**. It will then move on and be on show in front of the Kulturpalast (*Palace of Culture*) until 29 October.

BeWISE 2018: Women in Science and Engineering

In co-operation with the CRTD and other partners, the cfaed is co-organising a **conference**, which is addressed to female young scientists and junior research group leaders of selected DFG co-ordinated programmes at TU Dresden.

The three-day conference taking place in the INNSIDE Hotel offers numerous **workshops and coaching opportunities**. During fire-place talks with experienced female professors, the participants will be able to get into a conversation on pathways in research. Moreover, this conference is especially suited to establish **networks among researchers**.

Registration is possible until **15 October 2018**. Participation is free of charge.

Professor Brigitte Voit Receives Hermann Staudinger Prize

Professor Brigitte Voit, Scientific Director of the **Leibniz Institute for Polymer Research Dresden**, cfaed Principal Investigator and professor of Physical Chemistry of Polymeric Materials at TUD was awarded the **Hermann Staudinger Award** of the **Gesellschaft Deutscher Chemiker (GDCh)** on 24 September 2018.

The Hermann Staudinger Prize was awarded to Prof. Voit to honour her **impressive achievements in the field of macromolecular chemistry**.

Congratulations!

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