



TECHNISCHE UNIVERSITÄT  
CHEMNITZ

# TUCreport 2017

# CONTENTS

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Our University's Highlights	3
From Our University Management	5
From Our Faculties	7
Teacher Training Program and Future Development of MERGE	11
From Our Central Institutions	13
About Our Students	15
About Our Young Scientists	16
Event Highlights	17
Facts and Figures	19
Participation and Inclusion	21
Construction Projects	22
University Sites	23
New Communication Formats	24



# 2017



Dear readers,

This is the first annual edition of TUCreport. In the future, it will allow us the opportunity to reflect each year on all of the events and achievements at our university. TUCreport cannot and is not intended to provide comprehensive documentation of everything that happened in the past year. Instead, the goal of TUCreport is to capture particular highlights considering all of Chemnitz University's faculties, central institutions, member groups, etc. It will feature selected events and activities to showcase our university as a whole.

2017 was an eventful year at our university and we certainly have much to celebrate. Undoubtedly, there were also other, less favorable developments. Nevertheless, we can all be proud of everything that we - the Chemnitz University family - have achieved together this past year. All things considered, it is clear that we not only strove to meet the multitude of duties and challenges we faced, but also to simultaneously continue to develop our university in a systematic, future-oriented way. We not only managed and maintained, but also created and thrived.

With this in mind, I would like to extend my heartfelt thanks to all members of Chemnitz University of Technology for their excellent and effective cooperation in the year 2017. I also extend my gratitude to the University Council, the Senate, the deans and faculties, the central institutions, the administration, the Staff Council, the Student Council, the Scientific Staff Association, the members and staff of University Management as well as our countless supporters in the political and industrial sectors and the community.

I hope you enjoy reading about our year in review and I would be very pleased to receive your feedback on our new TUCreport format!

Prof. Dr. Gerd Strohmeier  
University President



# Our University's Highlights



## Most Appealing to International Students

Among all 30 major cities in Germany, international students have found the university city of Chemnitz to be the most appealing.

*Source: Berenberg City Ranking 2017*

## Most International Uni in Saxony

Chemnitz University is the most international university in Saxony based on the number of international students and is ranked 3rd among all state universities in Germany. Around 27 percent of our students come from abroad and represent nearly 100 different countries.

*Source: German Federal Statistical Office*

## Best Uni for Entrepreneurs in Saxony and Among the Top 10 Nationwide

According to the "Gründungsradar 2016" report, Chemnitz University is the best university for founders and is ranked first in spin-off companies among all state universities in Saxony.

What's more, among all mid-sized higher education institutions in Germany, it is one of the Top 10 Entrepreneur Universities. From 2006 through the end of 2017, the SAXEED startup network provided assistance to more than 150 founders in Chemnitz alone, including silbaerg GmbH, a snowboard manufacturing company.







## Students Praise Quality of Instruction, Technical Facilities, and Service

Chemnitz University scored very well in the 2017 "Study Quality Monitor". Students praised the quality of instruction, the technical facilities, the service and the general environment at our university.

## Chemnitz University Among the Top 10 in Third-Party Funding in Germany

According to the Federal Statistical Office, which lists the results from all universities in Germany (excluding medical institutions and the health sciences) in 2015, Chemnitz University is ranked 10th overall in the amount of third-party funding per scientific staff member.



## Germany's First and Only Federal Cluster of Excellence in Lightweight Structures

MERGE employs approximately 100 scientists and technicians who are working to combine and fuse technologies in innovative ways to enable the production of multifunctional lightweight structures.



MERGE - Excellence in Lightweight Construction:  
[bit.ly/2BqrU2n](http://bit.ly/2BqrU2n)



# From Our University Management



## In University Politics and University Development:

- Clear policy messages were formulated, such as regarding the Teacher Training Program at our university, and each of the Vice Presidents' respective responsibilities for the Central Institutions were clearly established.
- A new, broader and more differentiated set of criteria was developed for granting additional financial benefits in cases of exceptional performance and the possibility for non-scientific-technical staff to be employed without contract term limits was restored.
- For the first time, two professorships were established from the "innovation pool" following a university-wide invitation to apply for allocation of the positions. University Management played an active role in the appointment process. The possibility of negotiations prior to appointment was abolished.

## In Research:

- Support was provided for the future development of MERGE and a task force specializing in application proposals in the field of cutting-edge research was appointed. In addition, a set of measures to support proposals for collaborative research centers was developed as well as a plan to establish employment positions for "research multipliers."
- The core competencies assistant teams were re-established as autonomous and democratically organized working groups and a task force was founded to develop a research information system.
- The allocation of funding to cover program or project expenses was updated from an 80 percent (university) to 20 percent (professorship) ratio to now reflect a 50 percent (university) to 50 percent (professorship) balance. Regulations were implemented regarding compulsory deductions prior to distribution of these funds.





University Management (from left): Eberhard Alles (Chancellor), Prof. Dr. Gerd Strohmeier (President), Prof. Dr. Maximilian Eibl (Vice President for Academic and International Affairs), Prof. Dr. Uwe Götze (Deputy President and Vice President for Transfer and Academic Qualification), Prof. Dr. Jörn Ihlemann (Vice President for Research and Junior Researchers)

### Our Junior Researchers:

- Three clear and reliable models were implemented for advertising available junior professorship positions.
- Dr. Jens Teuscher, a young researcher himself, was named Commissioner of the University Management for Junior Researchers.
- A formal framework for dealing with fixed-term employment and promoting career opportunities at Chemnitz University was signed. Additionally, the Staff Council and university have also reached a temporary agreement on the matter.

### In Teaching:

- Task forces focused on quality management (emphasis: system accreditation) as well as developing new teaching and learning methods were established.
- The implementation of (modularized) Diplom degree programs was made possible.
- A planned funded study of the demand for admission to Chemnitz University was introduced and advertised to the university public and the contract was subsequently awarded.

### In International Affairs:

- New international cooperations were initiated, including with senior researchers at the University of Cambridge.
- Support was provided to increase outgoing mobility with Erasmus+ as well as to the Alexander von Humboldt Foundation's Philipp Schwartz Initiative for threatened researchers.
- The "Internationalization of Universities" Re-Audit process conducted by the German Rectors' Conference began and a new international alumni strategy was developed.

### In Transfer and Academic Qualification:

- The transfer strategy was refined and a transfer audit was conducted.
- New transfer activities were introduced, including regional transfer projects and discussions with businesses.
- Support was provided to the City of Chemnitz's application to be named "2025 European Capital of Culture".

### In University Communications:

- Various new event formats were implemented (TUCsommernacht, Tag der Universität, a Parliamentary Evening as well as a meeting held between the city's top leadership and University Management officials).
- Various new communication formats were introduced (the "TUCnetwork" newsletter, "TUCtalk" videos and the "TUCpersönlich" podcast). Our activity on social media was expanded considerably and students were included in the target audience of the President's official newsletters.
- Various new opportunities for discussion and participation were established (regular meetings of the deans and sessions of the newly established TUCforum, annual University Management visits to all faculties, surveys conducted within the university as well as consultation with faculties in advance of important decisions by University Management).

# From Our Faculties



Prof. Dr. Thomas Seyller was among the most-cited researchers worldwide in 2017.

## Faculty of Natural Sciences

Prof. Dr. Thomas Seyller, Head of the Professorship for Experimental Physics with Focus on Technical Physics at Chemnitz University, is among the world's most cited researchers. This is according to the annual "Highly Cited Researcher" ranking published by American data analysis company Clarivate Analytics, based on the "Web of Science" database. This ranking is an important indicator of a researcher's influence within their scientific field.

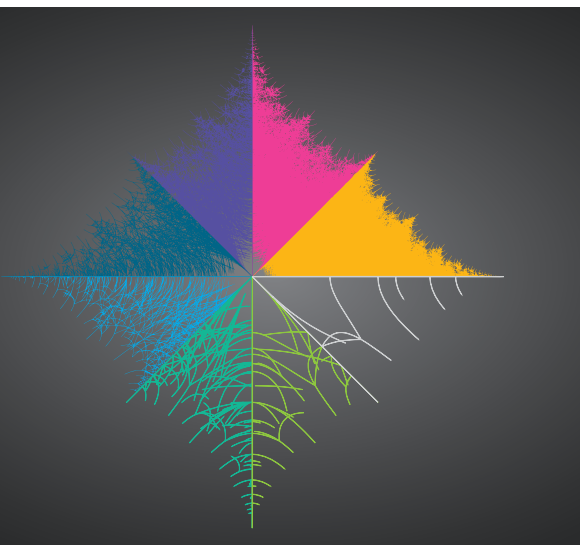


Mathematics  
Program Video  
(in German):  
[bit.ly/2nW6ene](http://bit.ly/2nW6ene)

## Faculty of Mathematics

On the international stage, Chemnitz University mathematical research is held in very high regard and one event in 2017 demonstrates this prestige particularly well. The Faculty of Mathematics' Analysis Professorships hosted the 2017 meeting of IWOTA (International Workshop on Operator Theory and its Applications) in Chemnitz. The study of infinite-dimensional operators, such as the Laplace operator, with their spectral properties can help us understand "what holds the world together at its core." It is a key focus area of both applied and pure mathematics. Operator theory helps us to understand common properties shared by algebraic equation systems, differential and integral equations. In

addition, operator theory's methods and techniques are ubiquitous in solving and modeling problems in numerics, stochastics, signal transmission, image processing, systems and control theory as well as classical problems in theoretical physics and mechanics. In August 2017, 157 mathematicians from 40 countries met in Chemnitz and delivered 126 presentations over the course of a week describing their most recent findings and methods. The next workshop will be held in Shanghai in 2018.





## Faculty of Mechanical Engineering

The Smart Production Center was opened on September 8, 2017 and will serve as a central hub for strategic research and transfer projects. The center is focused on facilitating the transition of university-based and non-academic research developments in the domain of digital industrial production to economically-viable applications. Small and medium-sized businesses play an active role in this endeavor. The Smart Production Center is jointly coordinated by Chemnitz University, the Fraunhofer Institute for Electronic Nano Systems and the Fraunhofer Institute for Machine Tools and Forming Technology.



## Faculty of Electrical Engineering and Information Technology

Prof. Oliver G. Schmidt received the Gottfried Wilhelm Leibniz Prize on March 19, 2018. The prize is the most important research award in Germany and includes an endowment of 2.5 million euros. According to the German Research Foundation, Schmidt received the prize as recognition for his outstanding contributions to research, manufacturing and innovative applications in the field of functional nanostructures. Schmidt is Chair of the Professorship of Materials for Nanoelectronics at Chemnitz University and Director of the Institute for Integrative Nanosciences at the Leibniz Institute for Solid State and Materials Research in Dresden.



In 2017, the German Research Foundation announced that Prof. Dr. Oliver G. Schmidt would receive the Leibniz Prize.

## Faculty of Computer Science

From September 25 - 29, 2017, supported by the German Federal Ministry of Education and Research and the Federal Ministry for Economic Affairs and Energy, Chemnitz University hosted the 47th annual meeting of the Gesellschaft für Informatik ("German Informatics Society"), the largest organized society for informatics in German-speaking countries. The central theme of the conference in 2017 was "Digital Cultures". 700 participants from Europe, the Americas and Asia attended the meeting in Chemnitz. 37 workshops and tutorials were held, including 220 lectures. The published conference proceedings include 2,600 pages of material from these presentations. The volume also includes information about major projects conducted by the Chemnitz University Faculty of Computer Science as well as the "CrossWorlds" research training group, the "LEDS" Growth Core project and the "Miteinander" project. [www.informatik2017.de](http://www.informatik2017.de) (in German)



The 47th annual meeting of the Gesellschaft für Informatik was held at Chemnitz University in 2017.

## Faculty of Economics and Business Administration

The Junior Professorship of Entrepreneurship in Business Creation and Succession Management (Endowed Professorship by Sparkasse Chemnitz) conducted the "Saxony Start-up Ecosystem" study in order to illustrate the current conditions facing start-up businesses in Saxony. The results show that although Saxony boasts a competitive and attractive ecosystem for entrepreneurs, more focus needs to be placed on funding opportunities for innovative start-ups – particularly investments from "business angels". [www.gruendeninsachsen.de](http://www.gruendeninsachsen.de) (in German)







Prof. Dr. Ellen Fricke, gesture researcher in Chemnitz, provided scientific support to the “Gestures – in past, present, and future” exhibition.

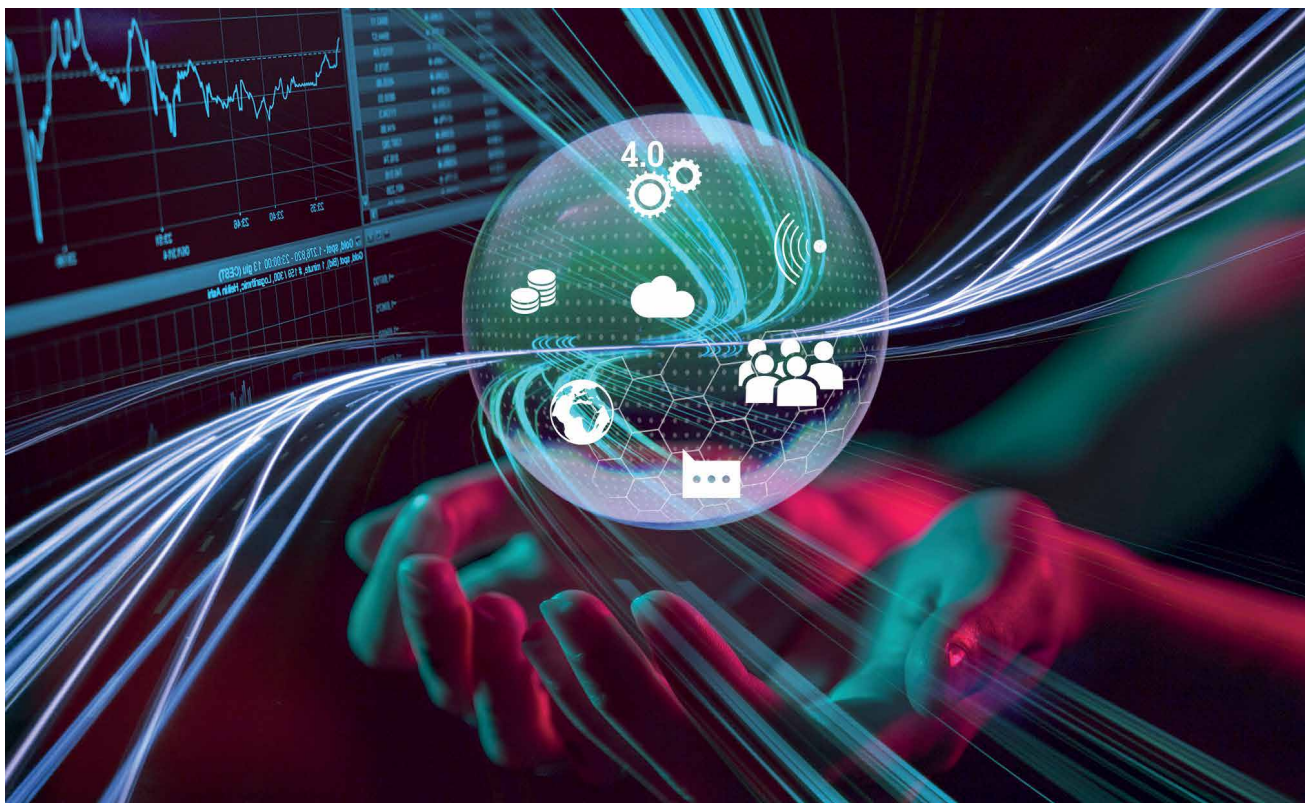


“Gestures” Exhibition Video (in German)  
[bit.ly/2EWimMo](https://bit.ly/2EWimMo)

## Faculty of Humanities

The “MANUACT” research project studies gestures as part of human communication, investigating both their cultural relevance and practical applications and how they are related to current and past technologies. “MANUACT - Hands and Objects in Language, Culture, and Technology: Manual Actions at Workplaces between Robotics, Gesture, and Product Design” is led by Prof. Dr. Ellen Fricke, Chair for German Linguistics, Semiotics and Multimodal Communication at Chemnitz University. Selected results and outcomes of the project were presented to the public in an exhibition at the Chemnitz Museum of Industry from November 17, 2017 through March 4, 2018. Visitors had the chance to experience the fascinating world of the “language of hands” via interactive artistic installations.

[www.gesten-im-museum.de/home/en/](http://www.gesten-im-museum.de/home/en/)



## Faculty of Behavioural and Social Sciences

Since the 2017/2018 winter semester, the Chemnitz University Faculty of Behavioural and Social Sciences has had a new degree program in its catalog. Students can now earn their master’s degree in Digital Work. The degree program is focused on occupations which are characterized by internet-based work processes (i.e. Industry 4.0, cloud computing, and on-line commerce). The curriculum aims to prepare skilled workers and executives for digital or internet-based work in the private sector in the production and service industries, in associations and government institutions.

# Teacher Training Program and Future Development of MERGE

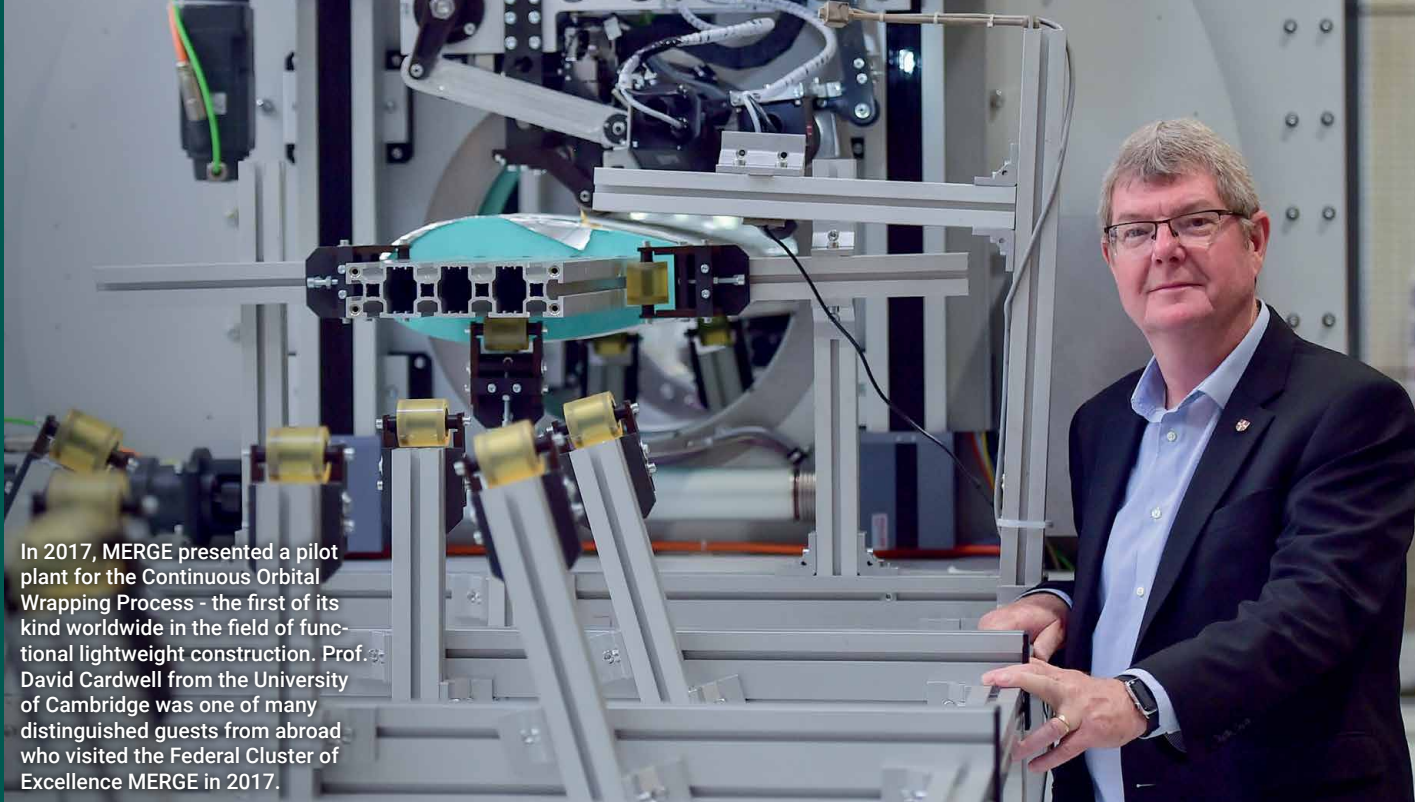


These three graduates are among the 75 men and women who successfully passed the first state examination for elementary school education at Chemnitz University in 2017.

## Centre for Teacher Training

Four years after the Educational Studies for Elementary Schools program at Chemnitz University was temporarily reinstated in 2013, 75 students have now successfully passed their first state examination. In total, more than 400 students are enrolled and working toward their goal of becoming teachers. In the 2017/2018 winter semester, 800 students submitted applications for 120 available spots. Demand for the opportunity to study education at Chemnitz University is very high. With this in mind, university leadership once again confirmed their willingness to permanently establish and expand the university's Teacher Training Program. However, they also clarified that this is not possible solely relying on university funds and it cannot be allowed to occur at the expense of other disciplines.





In 2017, MERGE presented a pilot plant for the Continuous Orbital Wrapping Process - the first of its kind worldwide in the field of functional lightweight construction. Prof. David Cardwell from the University of Cambridge was one of many distinguished guests from abroad who visited the Federal Cluster of Excellence MERGE in 2017.

## Federal Cluster of Excellence MERGE

The Federal Cluster of Excellence MERGE contributes substantially to the internationalization of Chemnitz University. MERGEurope, a network which connects 500 industry and research partners, was established in Chemnitz and includes members in Poland, the Czech Republic, Spain, Italy, Germany and the Netherlands. Chemnitz plays a leading role in the coordination of MERGEurope. Moreover, MERGE is a member of the European Lightweighting Clusters Alliance (ELCA). This alliance, with members in Great Britain, France, Italy, Sweden and Germany, brings together more than 1,000 European research institutions and companies active in the field of lightweight construction in mobility and transport. In 2017, more than 200 researchers and industry, business and political representatives from 13 countries came together to attend the 3rd International Merge Technologies Conference (IMTC). At the conference, attendees exchanged ideas and discussed the latest research in lightweight construction. In addition, many international guests visited the MERGE Technology Centre in Chemnitz, including top-level researchers, such as from the University of Cambridge, and other distinguished guests such as the US Consul General for Saxony, Saxony-Anhalt, and Thuringia and the Deputy Mayor for Economic Development in Akron, Ohio, USA.



Prof. Dr. Lothar Kroll (left) explains the principle of extrusion to the US Consul General from Leipzig, Timothy Eydelnant (middle), and the Deputy Mayor for Economic Development from Akron, Ohio, Samuel DeShazor, using a model at the MERGE Technology Centre.

# From Our Central Institutions



## University Library

In 2017, Chemnitz University's Library was granted the Open Library Badge, which recognizes and honors libraries' commitment to openness in science and society. These values are exemplified by open access publishing or the use of open-source software, which are employed in the library's bibliography or the online catalog. The goal of the Open Library Badge initiative is to create a system of incentives for libraries that pursue openness using a variety of strategies. In addition, on September 19, 2017, the President of Chemnitz University signed the Expression of Interest for the Open Access 2020 Initiative and thereby confirmed once again that open access is one of the university's important strategic goals. More than 70 academic institutions in Africa, Asia, the Americas and Europe have already joined the initiative.

## Saxony's Centre for Teaching and Learning

Lehrpraxis im Transfer plus (LiT+, "Teaching Practice in Transfer plus"), a program coordinated by the Centre for Teaching and Learning, entered its second funding phase in 2017. A new LiT specialists' group was founded: "Tablets/Smartphones in Teaching". Educators from across Saxony meet regularly to discuss their experiences with the use of mobile devices in higher education instruction. In cooperation with the TU4U project, funded by the German Federal Ministry of Education and Research, Chemnitz University also publishes a blog called "Campus TUschler", in which students write about their favorite courses, which grants instructors interesting insights into their teaching strategies. Since 2017, this dialog between students and educators has been enhanced even further through the application of the Teaching Analysis Poll (TAP) evaluation method. Using this technique, instructors are able to react to feedback from students during the course of the semester in progress. The LiT.Shortcut events are becoming ever more popular, as they allow educators the opportunity to inform each other about their teaching experiences and approaches that have been successful in their classrooms. 68 educators attended these events in 2017.

## Foreign Language Centre

The Foreign Language Centre offers a total of 150 language courses in English, German as a Foreign Language, Spanish, Italian, French, Russian, Czech, Polish, Latin, Chinese and, as of summer 2017, Arabic. Around 2,500 students are currently taking advantage of the opportunity to enroll in these courses to broaden their language proficiency. All of the courses are divided based on students' achieved proficiency levels according to the Common European Framework of Reference for Languages and lessons are taught by 14 full-time professional language instructors, supported each semester by 25 assistant lecturers.

## International Office

One of the International Office's main duties is to promote international mobility. This means advising and supporting students and (young) researchers who wish to travel abroad or those who come to Chemnitz University from abroad. Refugees interested in pursuing an academic degree receive individualized support through the "Welcome to Chemnitz University of Technology" program, including information sessions, dedicated office hours and intercultural training seminars. The program is funded by the German Academic Exchange Service (DAAD).



## Centre for Knowledge and Technology Transfer

In 2017, Chemnitz University took part in the Transfer Audit conducted by the Stifterverband organization in order to further develop and enhance cooperation strategies with its external partners and to strengthen general transfer within the university context as well. Based on a self-evaluation report and an audit visit, Chemnitz University has developed measures to enhance and implement its transfer strategy. The results of the audit attest to the university's wide variety of transfer activities across a broad range of subjects. According to the report, these are remarkable for a technology-oriented university. Moreover, the successful collaboration among all of those involved in transfer is praised as another of the university's particular strengths. The audit also identified potential approaches to further improve the university's transfer strategy and activities.

## Centre for Young Scientists

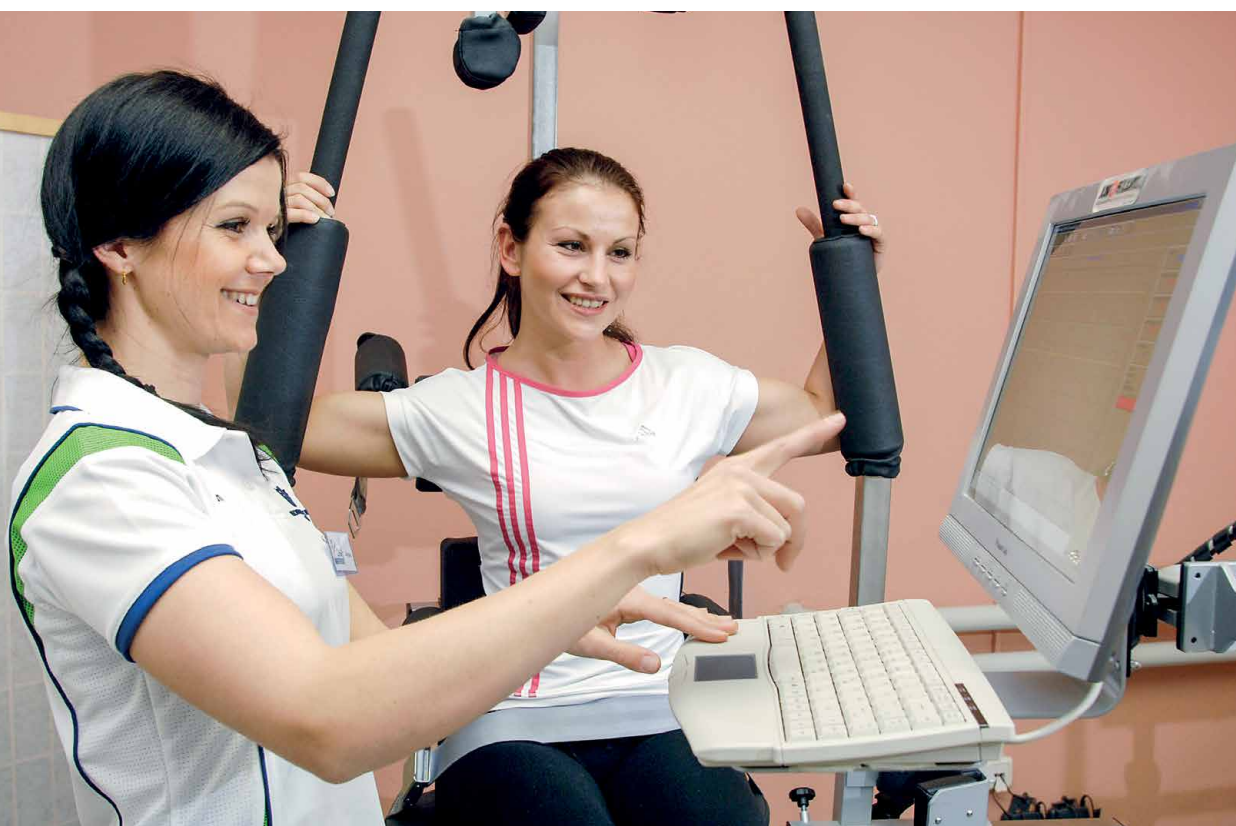
Doctoral candidates at Chemnitz University of Technology have the opportunity to receive financial support to participate in international conferences or for stays abroad as visiting researchers. DAAD provides funding for these activities through the InProTUC program, focused on internationalizing doctoral programs at Chemnitz University. The second project phase began in September 2017 and will continue until June 2019. In the preceding project phase, funding was granted for 190 trips made by doctoral candidates.

## University Computer Centre

All of the university's user services and resources are managed via a single directory: the IdM Portal. This service was developed by the University Computer Centre and its high level of automatization and integration of all IT services truly sets it apart. As part of this long-term project, a new chip system for all TUC-Cards and the in-house "sync and share" cloud solution were integrated into the portal in 2017. This cloud service, based on the Nextcloud platform, has been available to all users at Chemnitz University since the 2017/18 winter semester. It enables the sharing and synchronization of data in compliance with data protection laws without the need for external providers (i.e. Dropbox). With these solutions, Chemnitz University has secured its position as a forerunner among all university computer centers in Germany.

## Centre for Sports and Health Promotion

In coordination with the University Council and Senate, the Centre for Sports and Health Promotion was established in 2017 as one of the university's Central Institutions the University Management. Both University Sport and the Centre for Fitness and Health have been integrated into the new Centre. Previously, they were under the authority of the Institute of Human Movement Science and Health. In addition, a healthcare management system focused on fostering a healthy work-life balance has been established at Chemnitz University. This system includes structures and processes to promote the health of university employees and students.



# About Our Students



Fortis Saxonia is a Chemnitz University student initiative focused on the development of lightweight, energy-efficient vehicles. The team competed in the 2017 Shell Eco-marathon with UrbanSAX, their new hydrogen fuel cell vehicle.

## Fortis Saxonia: UrbanSAX in London

The Shell Eco-marathon is Europe's largest sustainable mobility competition. Chemnitz University's Fortis Saxonia student initiative has participated in the contest for several years. In May 2017, they celebrated the premiere of their newly developed UrbanSAX vehicle at the competition in London. This new model weighs less than 130 kilograms and the chassis is significantly more streamlined than its predecessors. The initiative's members - students representing various fields of study - regularly present their work at trade shows and events such as the IAV Raceday at the Jahnsdorf airfield in Chemnitz.



## “Studi trifft Rektor”

“Studi trifft Rektor” is a new event organized by the Chemnitz University Student Council intended to create an opportunity for students to meet and speak to representatives of University Management in a relaxed and casual atmosphere. The informal meeting is held once per semester and the location rotates between the various student clubs on campus. University President Prof. Dr. Gerd Strohmeier and Vice President for Academic and International Affairs Prof. Dr. Maximilian Eibl attend the event on behalf of University Management. FPM Club, the university's oldest student club, was the first to host the event in 2017.



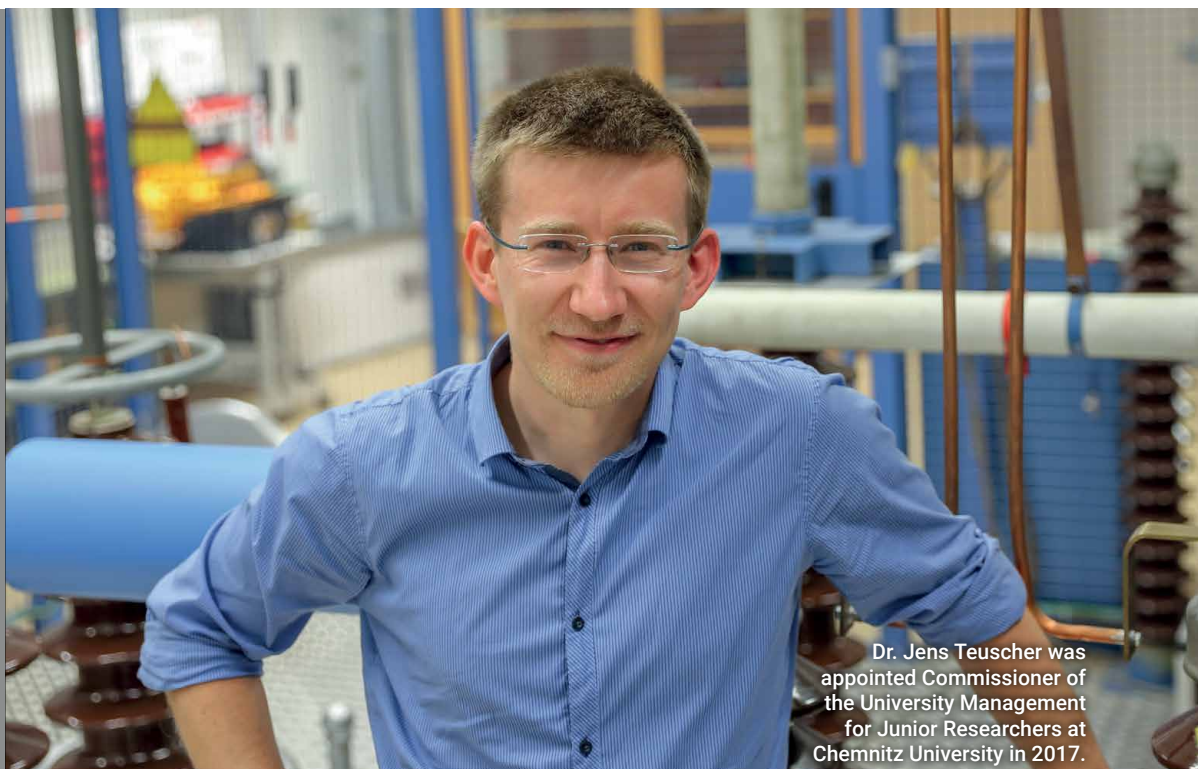
# About Our Young Scientists

## Commissioner of the University Management for Junior Researchers

Dr. Jens Teuscher is the first Commissioner of the University Management for Junior Researchers at Chemnitz University. Dr. Teuscher knows firsthand what it is like to be a member of the university's scientific staff: he earned a Diplom degree in electrical engineering and completed his doctorate in March 2015. Now he works for the Professorship of Power Systems and High-Voltage Engineering as a member of the academic staff. The Commissioner of the University Management for Junior Researchers keeps University Management informed about issues related to academic staff, assists with the implementation of various programs and acts as an important liaison between University Management and junior researchers.



Dr. Jens Teuscher  
featured in  
TUCtalk:  
[bit.ly/2FQgyUP](https://bit.ly/2FQgyUP)



Dr. Jens Teuscher was appointed Commissioner of the University Management for Junior Researchers at Chemnitz University in 2017.

## The Day for Young Scientists

Once a year, Chemnitz University hosts an event dedicated to junior researchers and the specific issues and questions they face. The Day for Young Scientists centers on topics such as doctoral degrees, habilitation, support and funding for young researchers as well as career opportunities after completing graduate and post-graduate degrees. Various lectures, workshops and discussion sessions offer attendees a comprehensive overview of employment and career paths in academia and beyond. On November 2, 2017, doctoral and post-doctoral researchers came together to share their experiences and offer advice. One important message was that young scientists should not lose heart in the face of adversity. In addition, current and former executives spoke about their individual career paths. The event ended with a science slam for researchers to highlight their work.

# Event Highlights

The President of Chemnitz University of Technology, Prof. Dr. Gerd Strohmeier, ceremonially assumed the office at the investiture ceremony held on May 15, 2017.

## Inauguration



Video summary:  
[bit.ly/2HqQK5Q](https://bit.ly/2HqQK5Q)

## Open House Day



Around 3,000 prospective students attended Saxony's statewide Open House Day on January 12, 2017 in order to find out more about the range of courses offered at Chemnitz University.

JAN

FEB

MAR

APR

MAY

JUN

Chemnitz University invited guests to attend the Tag der Universität ("University Day") on May 20, 2017. Visitors enjoyed a wide variety of events including Children's University lectures, the International Alumni Meeting, the Open House Day, the Graduation Celebration and the "Long Night of the Sciences" info fair.

## Tag der Universität



The Graduation Celebration was held on May 20, 2017 as part of the Tag der Universität festivities. Around 500 recent university graduates, including recipients of doctoral and post-doctoral degrees, celebrated their accomplishments in a ceremony attended by family and friends in the St. Petri Church.

## Graduation Celebration I





# 2017

## Enrollment Celebration



Welcome Video:  
[bit.ly/2stBFu4](http://bit.ly/2stBFu4)



Chemnitz University hosted an event in the Richard Hartmann Arena to welcome new students on October 5, 2017. Approximately 2,000 new students began their studies in the 2017/2018 winter semester in one of the university's 100 available courses of study.

## New Campus Tram



December 8, 2017 marked the grand opening of a new tram line connecting the city center directly to Chemnitz University's Reichenhainer Straße campus and the research and technology campus beyond that. The university's annual Christmas Market was also held at the same time.

JUL

AUG

SEP

OCT

NOV

DEC

## TUCsommernacht



Chemnitz University's first annual TUCsommernacht ("Summer Night") took place on June 24, 2017. Late into the night, guests socialized and enjoyed music, entertainment and culinary delights in the courtyard of the historic Böttcher Building.

## Award and Scholarship Ceremony



On November 9, 2017, Chemnitz University presented the DAAD Prize from the German Academic Exchange Service as well as nine university awards from each of the eight faculties. The Faculty of Electrical Engineering and Information Technology requested that the prize be split between two recipients. In addition, 95 students from all faculties received Deutschlandstipendium scholarship awards.

## Premiere: Graduation Celebration II

On November 4, 2017, 250 graduates celebrated the completion of their studies in the St. Petri Church with family and friends. From now on, two graduation celebrations will be held per year in order to accommodate all those who wish to participate.



Video summary:  
[bit.ly/2Hvurfc](http://bit.ly/2Hvurfc)

# Facts and Figures



**11,135 students** were enrolled in the 2017/2018 winter semester, including 4,818 women.



**2,021 graduates** completed their studies at Chemnitz University in 2017, including **121 doctoral** and **10 habilitation degrees**.



**27% international students from 91 countries** study at Chemnitz University.



Around **2,300 people are employed by the university** - approximately half are financed through third-party funding.



**1 Federal Cluster of Excellence and 3 DFG Collaborative Research Centers** were among Chemnitz University's major research projects in 2017.



**11 distance- and continuing-education courses for working professionals** are offered at Chemnitz University and the TUCed Affiliated Institute for Transfer and Continuing Education, including two new master's degree programs in Management and Special Needs and Inclusive Education.



There are **156 professorships** at Chemnitz University and an additional 18 junior professorships.



**95 Deutschlandstipendium scholarships** were granted in 2017.





Chemnitz University has identified **3 core competency fields** in which the issues of tomorrow are addressed: **Materials and Smart Systems, Resource-Efficient Production and Lightweight Structures** and **Humans and Technology**.



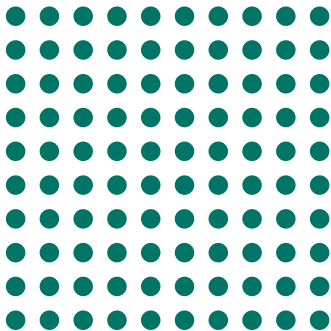
**14 businesses** were founded with the support of the SAXEED startup network in 2017. Beyond that, 38 additional start-up projects received assistance and guidance.



**1,393 projects** were financed via third party funding in 2017.



Chemnitz University received **97.3 million euros** in government grants in 2017.



**100 degree programs** were offered by the university's 8 faculties and the Centre for Teacher Training in the 2017/2018 winter semester: 40 bachelor's and 58 master's degree programs and 2 courses at the Centre for Teacher Training.



Chemnitz University researchers raised **71.7 million euros** in third party funding in 2017. For comparison: in 2008, they raised 35.5 million euros.

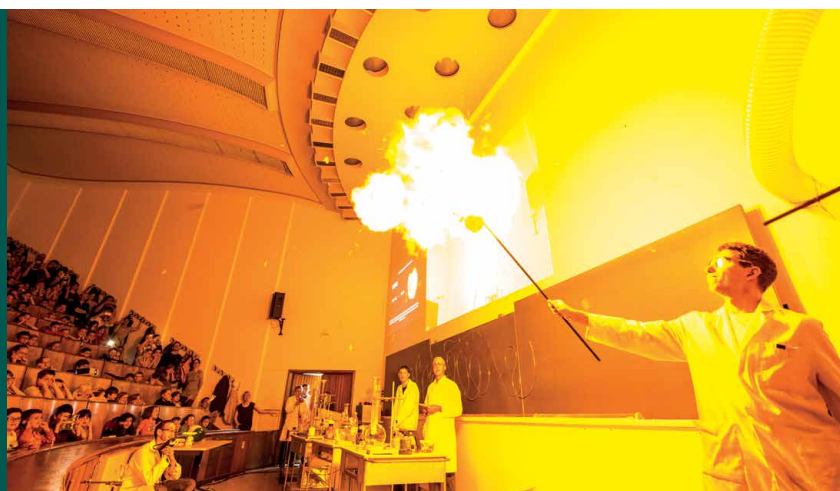


**1,905 publications** by university members were released in 2017 and can be accessed via the University Bibliography.



**1.1 million printed books and journals**, 150,000 digital media and 15 million patent documents are available from the University Library. 12,000 library users take advantage of the library's extensive catalog.

# Participation and Inclusion



## Children's University

At Children's University lectures, researchers teach boys and girls between seven and twelve years old about a range of topics using innovative, kid-friendly techniques. Attendees in 2017 learned, for instance, about the world of pharaohs, what makes heroes so great, discovered the meaning of gestures in our everyday lives, and participated in physics experiments with electricity. Seven Children's University events were held in 2017.

## Focus on Internationalization

In 2017, Chemnitz University improved its standing in nearly all domains assessed in the Profile Data Report on the Internationality of German Universities by the German Rectors' Conference and the German Academic Exchange Service. The International Office also introduced a new video series, "Faces & Stories," in which students of different nationalities discuss the advantages and challenges of studying in Chemnitz. In addition, a point of contact was established for refugees interested in studying at the university.



"Faces & Stories" Video Series:  
[mytuc.org/hpmq](http://mytuc.org/hpmq)

## Actively Promoting Inclusion

Chemnitz University is improving everyday accessibility for students and employees with disabilities. University Management adopted an action plan in 2017 to implement the UN Convention on the Rights of Persons with Disabilities, including appointing an inclusion coordinator, a new accessible orientation system on campus, acquisition of a mobile video conference system and implementing accessible office design principles.



## 30 x Seniors' College

The Seniors' College is an opportunity for lifelong learning for seniors from the Chemnitz region. Each semester, lectures covering a wide range of diverse subjects are held on a weekly basis. Members can also take advantage of additional courses in subjects like computer literacy, foreign languages, multimedia (photography, image or video editing, etc.) or art and culture. In 2017, the Seniors' College presented 30 lectures.





# Construction Projects

## Taking the Tram to Campus Plaza

After 18 months of construction, the new tram line connecting the city center to the university's Reichenhainer Straße campus and the research and technology campus celebrated its grand opening in December 2017. The project received federal and state funding and cost approximately 31.5 million euros. It represents the most recent construction phase of the "Chemnitz Model." Tram 3's new two-kilometer route brings the two largest university campus sites closer together than ever before. The new Campus Plaza was also constructed between the Central Lecture Hall Building, the Weinhold Building and the Dining Hall. Cars and buses are required to reduce their speed while passing through the open square, which has been designated a pedestrian-friendly area.



## New Research Center

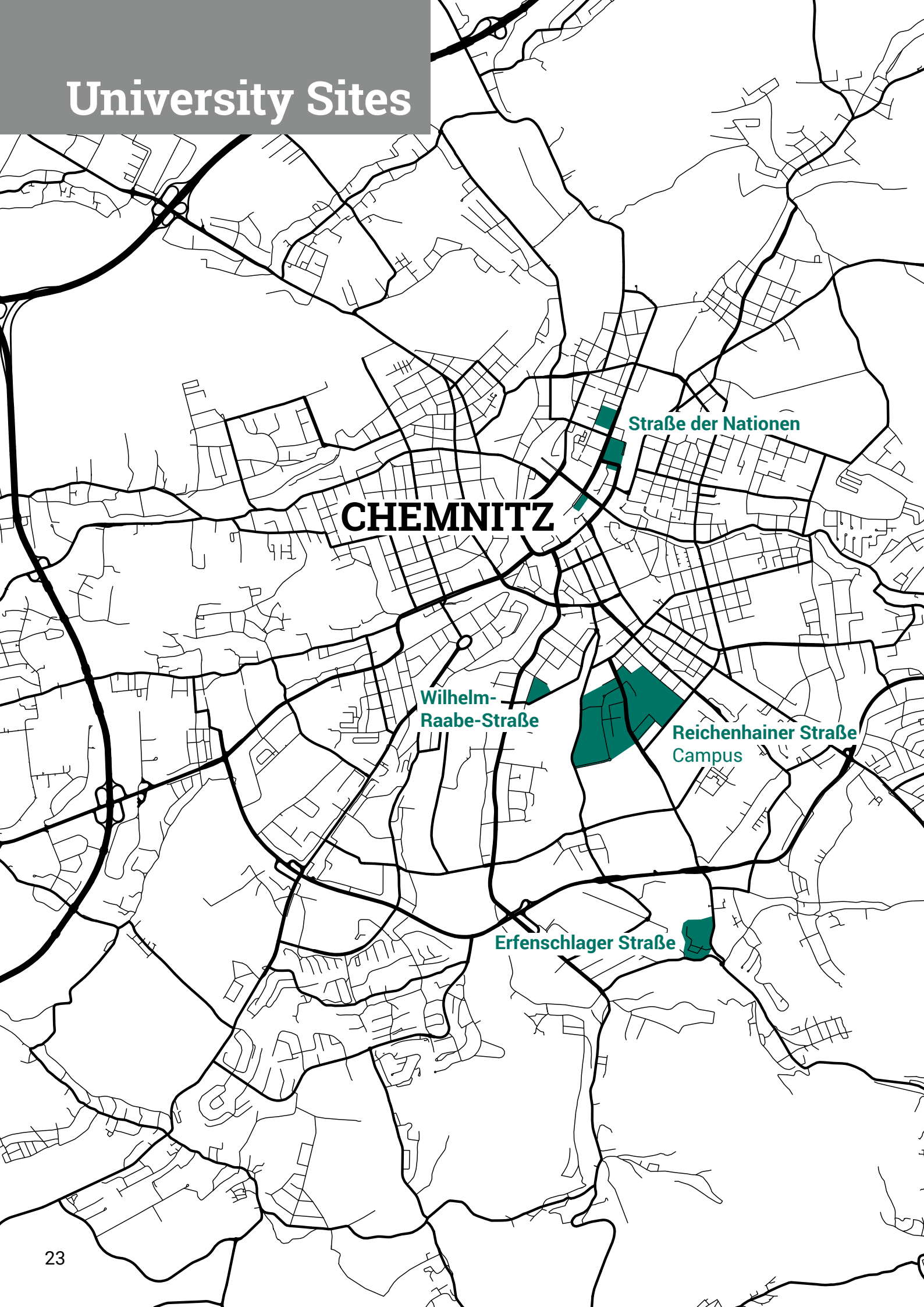
Construction on the new Forschungszentrum für Materialien, Architekturen und Integration von Nanomembranen (MAIN, "Research Center for Materials, Architecture and Integration of Nanomembranes") began in 2015. At the end of 2017, the university began installing equipment and offices in the first completed section. The state and federal government have contributed approximately 34.1 million euros for the construction of MAIN's office and laboratory facilities. The design includes 3,800 m<sup>2</sup> of usable space. After the center's completion, around 100 researchers will have access to state-of-the-art research conditions including several clean rooms.

## Halftime at the Construction Site

It is currently the city of Chemnitz's largest and most expensive construction project: the Old Spinning Mill on Straße der Nationen is being renovated to serve as Chemnitz University's new Central Library. When completed, the library will include approximately 12,400 m<sup>2</sup> of usable space. The total cost of the renovation is around 49.5 million euros. After extensive interior demolition and clearing out the Old Spinning Mill, workers installed most of the building's 330 steel windows, continued construction on stack storage rooms and renovation of the roof was nearly completed.



# University Sites





# New Communication Formats



## TUCinside

“TUCinside” is an internal newsletter which efficiently condenses information about university events to offer members the most relevant information in a concise format. “TUCinside” is published monthly. [mytuc.org/yjdr](http://mytuc.org/yjdr)



## TUCdialog

The “TUCdialog” newsletter contains information about developments at Chemnitz University. “TUCdialog” is primarily intended for business and political representatives and is published quarterly. [mytuc.org/yjdr](http://mytuc.org/yjdr)



## TUCnetwork

“TUCnetwork” is written with alumni and members of the Gesellschaft der Freunde der TU Chemnitz (“Society of Friends of Chemnitz University”) in mind. It is published quarterly and features news about research and academics, current affairs at our Central Institutions and faculties, alumni activities and updates from University Management. [mytuc.org/yjdr](http://mytuc.org/yjdr)



## TUCtalk

The “TUCtalk” video series features interviews with university members. Guests explain the unique challenges and responsibilities they face in their individual field. New episodes are released monthly. [mytuc.org/nbyz](http://mytuc.org/nbyz)



## TUCpersönlich

In the “TUCpersönlich” podcast, listeners can get to know Chemnitz University researchers in a personal and individualized way. Guests share what makes their career and success unique. The podcast is produced in six-episode seasons that are released throughout the semester on the university’s social media networks. [mytuc.org/ykyw](http://mytuc.org/ykyw)

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