

THE TECHNISCHE UNIVERSITÄT ILMENAU

UNICOMPACT



STUDIES

RESEARCH

DEPARTMENTS

CONTACT

The **SPiRiT**
of science

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TECHNISCHE UNIVERSITÄT
ILMENAU

The **SPIRIT**
of science

www.tu-ilmenau.de



Welcome!

“Teaching and research conducted at the TU Ilmenau are at the highest level in the fields of engineering, mathematics and natural sciences, economics and the media. Particular importance is being attached to innovation and interdisciplinarity in teaching. The university identifies with Humboldt’s ideals in pursuing the vision of a cosmopolitan campus family.”

Preamble of the university’s guiding principle



TECHNISCHE UNIVERSITÄT
ILMENAU

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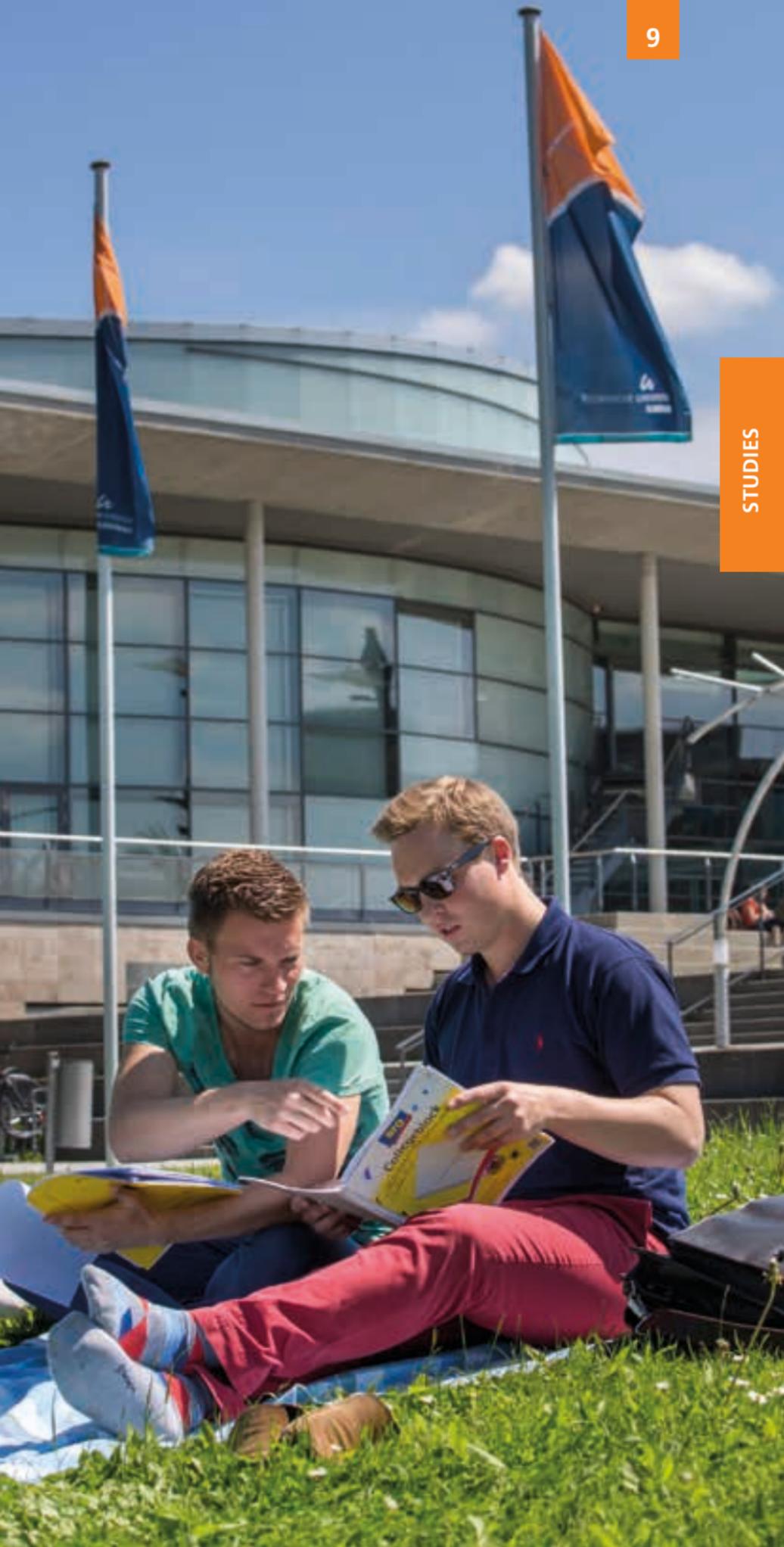
STUDIES

 www.tu-ilmenau.de/en/welcome-center

As the only technical university of the state of Thuringia, the TU Ilmenau enjoys an excellent reputation both in Germany and abroad. The training of engineers is built on a long tradition. Already in 1894, electrical engineering students were trained at the Thüringisches Technikum. Today, the profile of our modern university includes engineering, natural sciences, business studies and media.

The TU Ilmenau offers future-oriented Bachelor and Master programs in engineering sciences, mathematics and natural sciences as well as business and social studies to its 7000 students. Thanks to excellent teaching, the university can guarantee that they will be able to meet highest quality standards as future graduates. Throughout their study, the students are ideally supported: by fellow students from higher semesters (tutors) during the first two semesters, and by university teachers (mentors) from the third semester on. They carry out industrial internships and are integrated into the scientists' research work on the basis of independent projects at an early stage.

The teaching process at the TU Ilmenau is characterized by a strong interdisciplinary orientation. To meet the challenges of an increasing differentiation and globalization of economy and society, all majors are connected with each other by interdisciplinary contents. In addition, also non-technical subjects are offered to the students in the framework of Studium generale (general studies), Europastudium (European studies) and Gründer-Studium (business start-up course). This will enable the students to prove themselves in various fields of activity in their later professional lives. The philosophy of putting great emphasis on interdisciplinarity pays off. Thus, the quality of study at the TU Ilmenau is reflected by the outstanding results of independent ranking procedures carried out at regular intervals. Due to the close cooperation between the university and large and medium-sized companies in Germany and abroad just as the high demand from industry open up excellent job chances for the graduates on both the German and international labour market.



Bachelor and Master programs

COURSE OF STUDY

(DURATION)

BACHELOR

MASTER

Engineering sciences

Automotive Engineering

(7 / 3 semesters)



Biomedical Engineering

(7 / 3 semesters)



Communications and Signal Processing

(4 semesters)



Computer and Systems Engineering

(7 / 3 semesters)



Electrical Engineering and Information Technology

(7 / 3 semesters)



Electrical Power and Control Engineering

(4 semesters)



Electrochemistry and Electroplating

(4 semesters)



Materials Science and Engineering

(6 / 4 semesters)



Mechanical Engineering

(7 / 3 semesters)



Mechatronics

(7 / 3 semesters)



Media Technology

(7 / 3 semesters)



Miniaturised Biotechnology

(4 semesters)



Optical System Engineering/Optronics

(7 / 3 semesters)



Polyvalent Studies with Teaching Certification for Vocational Schools

(6 semesters)



Research in Computer and Systems Engineering

(4 semesters)



Technical Cybernetics and Systems Theory

(7 / 3 semesters)





www.tu-ilmenau.de/en/international/degree-students/bachelor-studies

	BACHELOR	MASTER
Mathematics and Natural Sciences		
Chemical Biotechnology (6 semesters)	●	
Computer Science (6 / 4 semesters)	●	●
Mathematics (6 semesters)	●	
Mathematics and Business Mathematics (4 semesters)		●
Micro- and Nanotechnologies (4 semesters)		●
Renewable Energy Technology (4 semesters)		●
Technical Physics (6 / 4 semesters)	●	●
Economic and Social Sciences		
Applied Media and Communication Studies (7 semesters)	●	
Business Information Systems Engineering (6 / 4 semesters)	●	●
Industrial Engineering and Management (6 / 4 semesters)	●	●
Media and Communication Science (3 semesters)		●
Media Economics (6 / 4 semesters)	●	●

The TU Ilmenau is a campus university, that means the walks are short (📍 Map of campus, p. 50). Hence, the lecture halls and laboratories just as the University Library (📍 p. 50, B3: Leibnizbau), which is the largest technical library in Thuringia, the dormitories managed by the Thuringian State Student Services offering more than 1 600 places and a supermarket (📍 p. 51, C3) can be easily reached on foot. The University Athletic Complex (📍 p. 50/51, B/C1) with lawn area and one of the most modern gymnasiums in Germany offers the students a wide range of indoor and outdoor sports. In numerous associations and initiatives, people having the same interests come together: student radio and TV station, orchestra, big band and chamber choir, Christian and Muslim student communities, folklore group, photography working group, and others.



According to recent studies, the TU Ilmenau figures among the least expensive places of study in Germany. There are no fees to pay, and students who change their main residence to Ilmenau will be granted a subsidy of 80 euros per year by the municipality of Ilmenau. If more than 2 000 students move to Ilmenau, this will go up to 100 euros.

A survey carried out by the student online portal UNICUM, the campus of the TU Ilmenau is one of the most beautiful in Germany – not only because of the marvelous view of the Thuringian Forest. Today, the first university buildings dating back to the 19th century are complemented by new and modern teaching and research facilities of a futuristic architecture. Each building is individually named after a famous scientist such as “Humboldtbau”, “Newtonbau” or “Zusebau”, the inventor of the first computer.

Beispiel (ausschließlich MI-Werte)



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TU Ilmenau International School

 www.tu-ilmenau.de/international



The TU Ilmenau International School promotes foreign students who are interested in taking up a study at TU Ilmenau. The International Office provides those students with 25 tutors who welcome them at their arrival in Ilmenau, help them find accommodation and give them useful information on their course of study. In addition, foreign students also have at their disposal the virtual welcome center (www.tu-ilmenau.de/en/welcome-center) just as the network "we4you" (www.tu-ilmenau.de/en/we4you). This facility is responsible for organizing the international Summer Course focusing on German language and culture. The Language Institute offers intensive German courses for foreign students and a wide range of language courses for the students of the TU Ilmenau. In addition, the learners can acquire language certificates of all internationally accepted levels and providers.

It is one of the main objectives pursued by the International School to increase the portion of foreign students at the TU Ilmenau to 25 percent. Therefore, an advisory board composed of selected scientists of the faculties and the Student Representative works to ensure an effective cooperation with the faculties.

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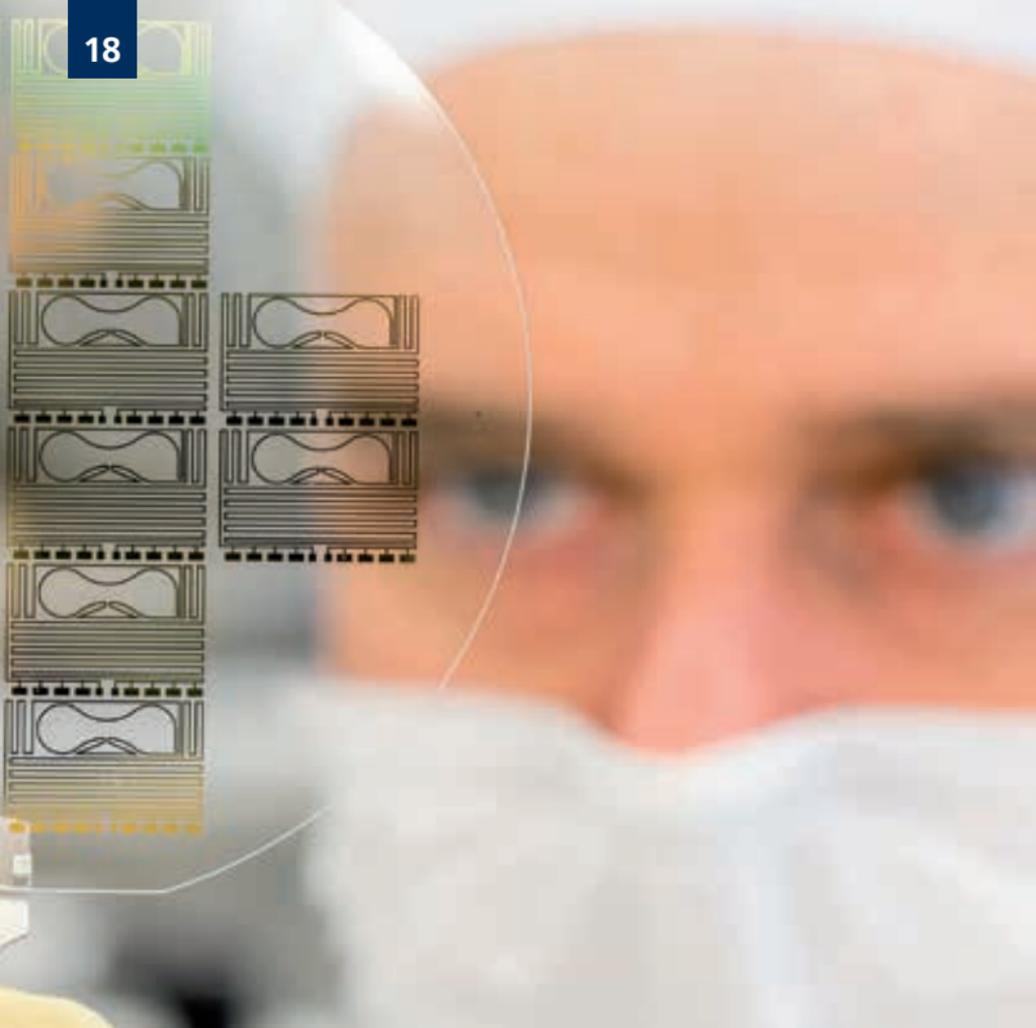


The TU Ilmenau International School does not only promote foreign students before and during their study in Germany, it also encourages Ilmenau students who wish to study abroad. The university is strongly interested in ensuring that the students complete an academic stay or an internship abroad during their studies. The service offered by the International School includes the provision of advice and guidance to the students, support in finding study places or internships, the linguistic and intercultural preparation as well as financial support, for example by the German Academic Exchange Service (DAAD). To fulfil these tasks, the TU Ilmenau International School maintains two offices: the International Office (www.tu-ilmenau.de/en/tu-ilmenau-international-school-de/structure/international-office), which coordinates the international exchange, and the LEONARDO-Office of Thuringia (www.tu-ilmenau.de/en/tu-ilmenau-international-school-de/structure/leonardo), which promotes industrial placements abroad. The LEONARDO office, which is domiciled at the TU Ilmenau, is the central contact point for students of all Thuringian universities who are looking for an internship in Europe. It supports students just as graduates in finding a place in an industrial company or research center throughout Europe. In addition, it provides the students with the financial means necessary for doing an internship abroad.

Studying at the TU Ilmenau has become increasingly attractive for the students also due to the chance to obtain a double degree at partner universities all over the world. The International School promotes foreign partnerships of the TU Ilmenau with universities, research centers and industrial companies all around the world, and helps students with the academic exchange. At present, the university is maintaining 140 cooperation relations with 102 universities and 38 cooperation relations at Department or Institute level in 48 countries.

In order to encourage more students to go abroad, on the one hand, and to win more interested students from abroad for taking up a study at TU Ilmenau, on the other hand, those university lecturers who are maintaining active partnerships with other universities act as "target region representatives". Furthermore, a network of "ambassadors" serving as persons of confidence help establish contacts all over the world straight away.





RESEARCH



RESEARCH

 www.tu-ilmenau.de/en/research

The highly specialized scientists of the TU Ilmenau are working on the most urgent problems mankind is facing: energy resources running out, growing mobility, ageing society, and so on. The challenges to be met by today's scientists in developing efficient solutions are so complex that it is hardly possible for one single special field to comply sufficiently with all necessary disciplines. Such highly sophisticated tasks can be solved by the scientists only if they act beyond the borders of their respective special fields. Hence, the borders marked by the traditional Department structure are suspended by the research strategy of the TU Ilmenau and replaced by flexible matrix structures. In simple words: Researchers work together on problems which require joint efforts most urgently.

The solutions to the problems of mankind are found by the scientists in the university's main interdisciplinary research areas: Microsystems and Nanosystems and Smart Systems Engineering and IT focusing on six research alliances:

Microsystems and Nanosystems:

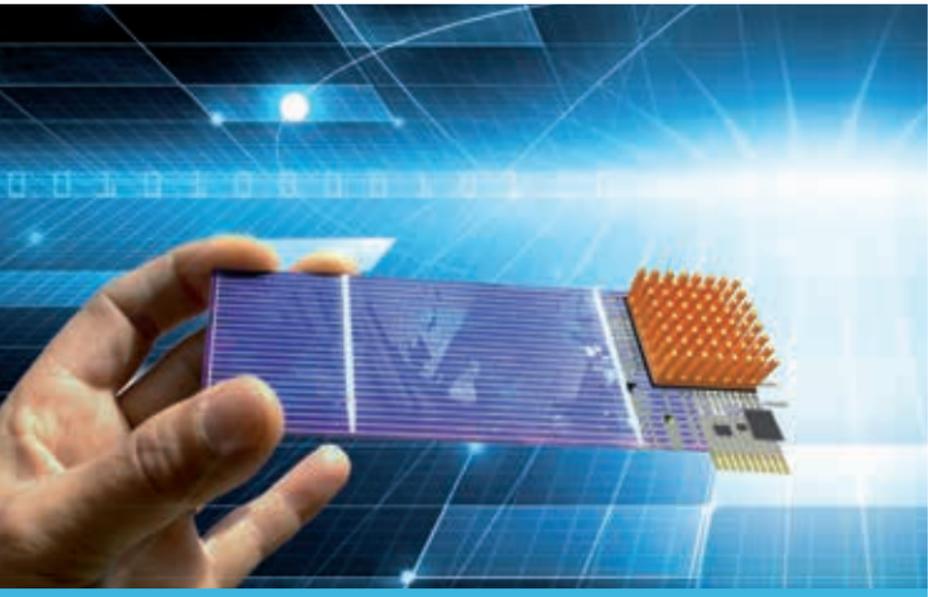
- Nanoengineering
- Precision Engineering and Precision Measurement Technology

Smart Systems Engineering and IT:

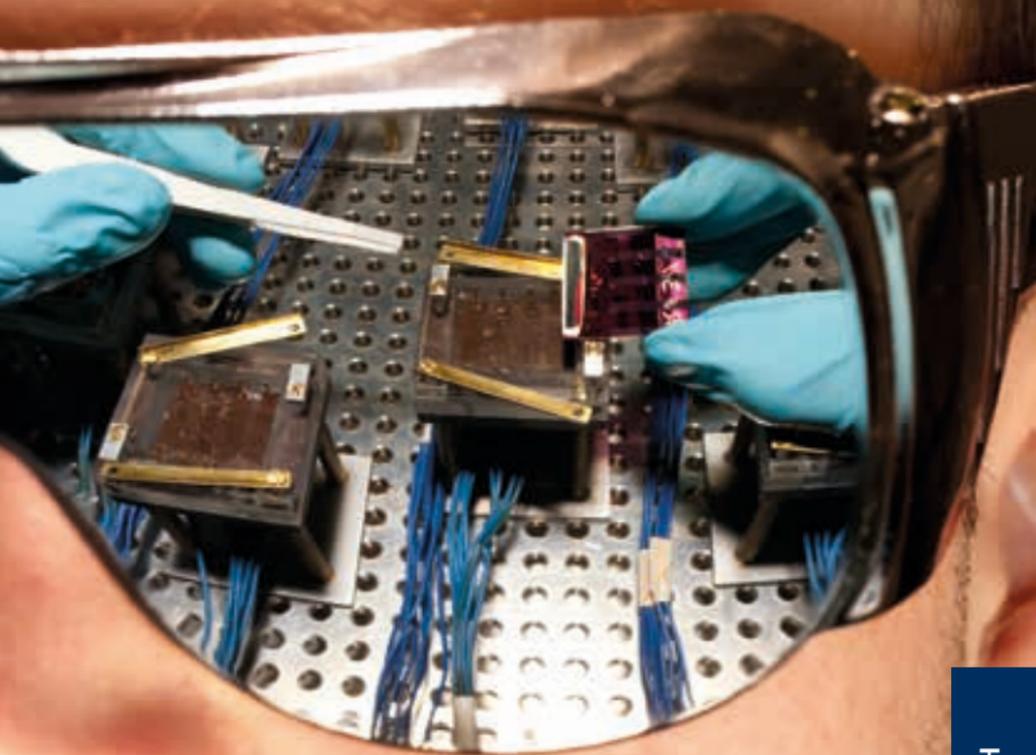
- Technical and Biomedical Assistance Systems
- Drive, Energy and Environmental Systems Technologies
- Digital Media Technology
- Mobile Communications

In these research alliances, the scientists are networked with each other – just as with regional, national and international research and industry – via numerous projects realized in both basic and applied research.

In the last years, many practice-oriented endowed and research professorships have emerged at our university from partnerships with industrial companies and institutions. In all cooperation projects realized with scientific and economic institutions at regional, national and international level, the TU Ilmenau attaches particular importance to a lively research, technology and staff transfer. The large network of partner institutions and supporting technology and service infrastructure offers graduates of the TU Ilmenau excellent employment opportunities and favorable start-up conditions. Over the last years, far more than 100 spin-off companies and technology-oriented new businesses have settled within the university's environment.



With its research and development activities, the TU Ilmenau leaves a lasting mark on the technology region Ilmenau-Arnstadt just as on the technology triangle Ilmenau-Jena-Erfurt. It works in close cooperation with its affiliated institutes: the CiS Forschungsinstitut für Mikrosensorik und Photovoltaik GmbH, the Institute for Bioprocessing and Analytical Measurement Techniques (iba), the IMMS Institut für Mikroelektronik- und Mechatronik-Systeme, the TITK Thuringian Institute of Textile and Plastics Research, and also with the Fraunhofer Institute for Digital Media Technology IDMT and the Advanced System Technology (AST), branch of Fraunhofer IOSB.



Research Service and Technology Transfer

 www.tu-ilmenau.de/en/fut

The division of Research Service and Technology Transfer offers a wide range of services in connection with research, fund raising, start-up consulting as well as knowledge and technology transfer to businesses. The scientists of the TU Ilmenau get information about research funding programs and professional advice on fund raising as well as on concluding contracts. As far as European research is concerned, the range of services also includes project execution and management.

Arranging contacts between scientists of the TU Ilmenau and external research partners is a central task of transfer activities. The liaison for transfer activities is the central point of contact for those companies that need to find solutions to their scientific problems or that want to initiate joint research projects for which they are looking for appropriate funding programs.

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auftakt. Das Gründerforum Ilmenau

“auftakt. Das Gründerforum Ilmenau“ bundles the start-up activities undertaken at the TU Ilmenau and its environments. The initiative starts out one step before the usual start-up consulting, and aims to encourage more people for a career in their own business while accompanying them on their way towards reaching this goal. With raising awareness, good supervising and consultancy services as well as efficient network, auftakt. strives to increase the start-up quota in Ilmenau, to improve the start-up climate, and to strengthen the innovation location.

auftakt. (in the Technologie- und Gründerzentrum building)

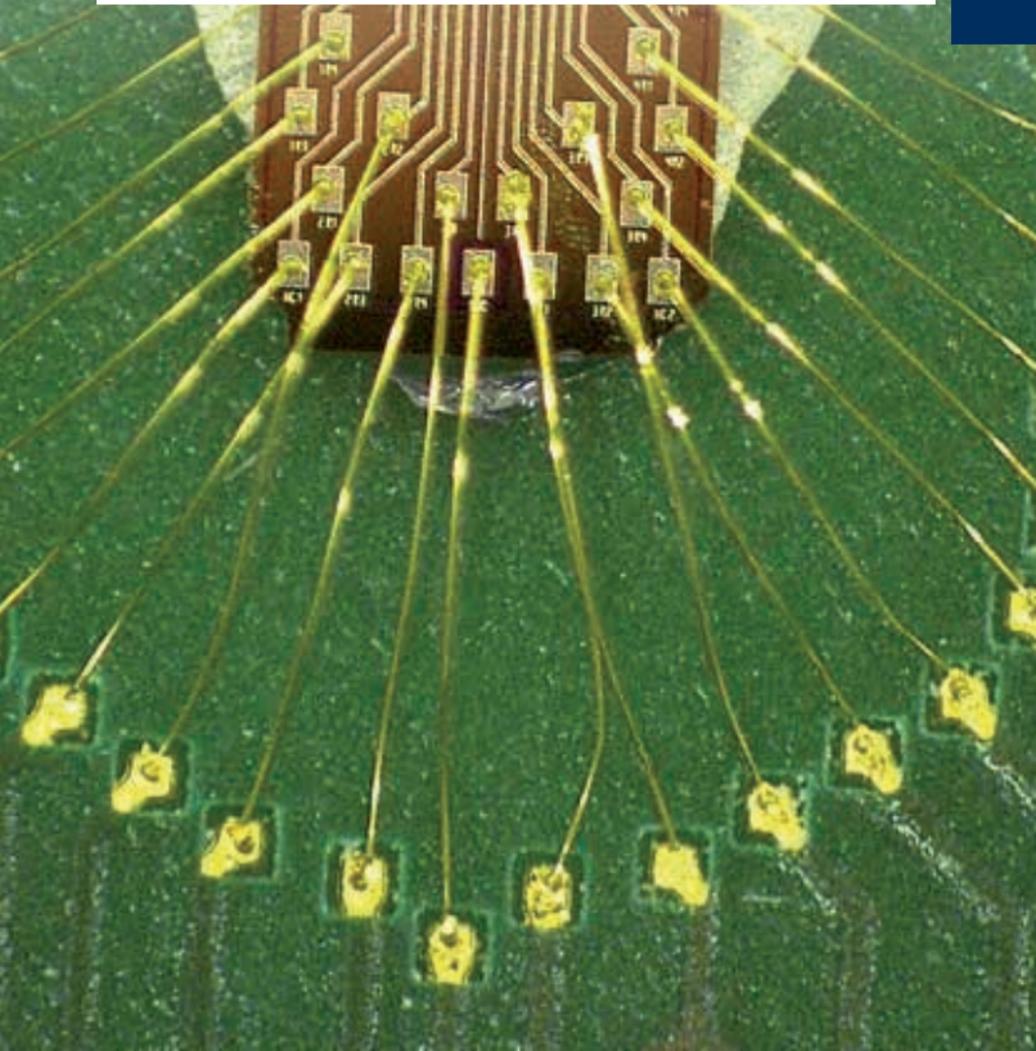
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Research expertise

 www.tu-ilmenau.de/en/expertises-in-research

The TU Ilmenau presents its complete research offer to the economy on the internet. Those companies who do not want to or are not able to carry out research and development work themselves will find the best suited cooperation partner at the TU Ilmenau in the “Atlas of competences” in a quick and convenient way. The user-friendly online-version allows the companies to find out about the research expertise of the TU Ilmenau just as about the range of services offered and the technical equipment of all special fields. The contact with representatives of that special field which corresponds best to the requirements of the companies can be established directly with no authority in between.





Thüringer Innovationszentrum Mobilität

At the Thüringer Innovationszentrum Mobilität – the biggest single project that has ever been launched in the history of the TU Ilmenau – scientists are developing technologies for efficient and low-emission vehicles of the future. They investigate not only novel electric main and auxiliary drives of vehicles, but also classical combustion engines and hybrid drive systems. Some further research areas for sustainable mobility concepts are: lightweight structures, new solutions for vehicle IT and driving safety as well as the quick and reliable communication among vehicles and also between vehicles and their environment.

The interdisciplinary cooperation between the university, other scientific institutions and industry links university top-level research with application-oriented development. For this, the most modern scientific large-scale equipment, test stands and analysis systems, which are housed in three new office and laboratory buildings, are at the scientists' disposal.

THÜRINGER 
INNOVATIONSZENTRUM
MOBILITÄT

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Thuringian Center for Mechanical Engineering

At the Thuringian Center for Mechanical Engineering – which is also a major project with its point of coordination at the TU Ilmenau – five universities and business-related research institutes are jointly working on projects from research and industry. The aim is to develop even more precise, more flexible and more resource-saving methods and technologies for the machine-building industry.

The research and development work conducted by the Center covers seven areas: high-performance processing, metallic sandwich materials, power moulds, laser material treatment, high-temperature properties of materials, development of additive manufacturing technologies and processing safety in laser precision treatment. Being a scientific service provider, the Center supports in particular the numerous small and medium-sized machine-building companies in the Free State of Thuringia.



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The research strategy of the TU Ilmenau is aimed at providing not only its own scientists but also the research partners and industry with an outstanding technological infrastructure. To this end, two specialized centers have been installed.

Center for Energy Technology

The Center for Energy Technology offers the 15 groups of the TU Ilmenau who are in an inter-departmental liaison with each other at the Institute for Energy, Power Train and Environmental Systems Technologies the opportunity to conduct interdisciplinary research. Furthermore, it provides third parties with technical equipment and services.

At the Institute, scientists work in an interdisciplinary manner on the complete complex process from the production and storage of energy up to its conversion, control, transmission and distribution. They work – either permanently or order-related – on resource-saving, consumption-oriented, low-pollutant and environmentally friendly technologies and methods. Fields of development are an innovative energy supply as well as new types of electrical networks, solar power installations and wind turbines of the future, and also efficient drives for vehicles, machines and plants. Numerous groups of researchers work in the fields of photovoltaic, energy-efficient consumer goods, lightning protection and switching devices, network operation/network control technology, and DC distribution technology.

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Center of Micro- and Nanotechnologies

 www.tu-ilmenau.de/en/imn

The Center of Micro- and Nanotechnologies is the technology platform for both basic and applied research in the field of micro- and nanosystems. The device and plant infrastructure allows a variety of coating and structuring processes of micro- and nanotechnology applied for processing polymers, semi-conductor materials, glasses and ceramics. Powerful analysis apparatus permitting analyses down to the atomic scale complement the scientific equipment. In the two buildings belonging to the center, there are 800 m² of laboratory surface and 1200 m² of cleanroom surface of classes 5, 6 and 7 at the scientists' disposal.

The modern technological infrastructure is not only utilized by the Institute of Micro- and Nanotechnologies of the TU Ilmenau (IMN MacroNano®). The Center of Micro- and Nanotechnologies being the „core facility of the German Research Foundation (DFG)“, it makes these instruments and devices available to external users from research and industry, too. All offers made by the center to companies are described in a comprehensive compendium of expertise (www.tu-ilmenau.de/en/institute-of-micro-and-nanotechnologies).



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DEPARTMENTS AND INTER- DEPARTMENTAL INSTITUTES

DEPARTMENTS



**Department of Computer Science
and Automation**



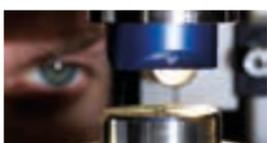
**Department of Economic Sciences
and Media**



**Department of Electrical Engineering
and Information Technology**



**Department of Mathematics and
Natural Sciences**

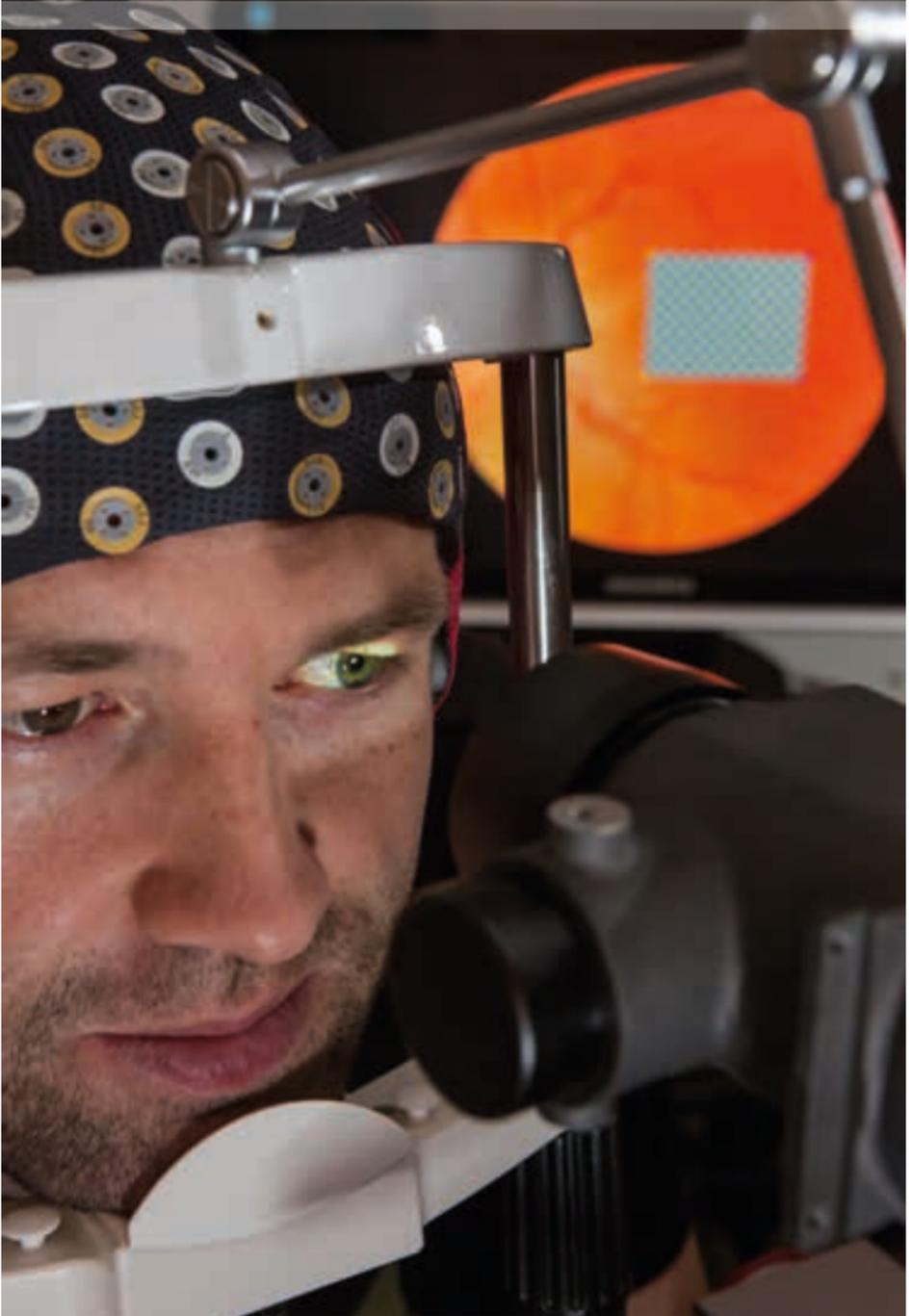


Department of Mechanical Engineering



Department of Computer Science and Automation

 www.tu-ilmenau.de/en/csa



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The Department of Computer Science and Automation accommodates the fields of computer science, automation and biomedical engineering. Here, research and teaching activities address the increasing pervasion of technical systems with software by studying, teaching and also applying not only methods from the core areas of computer science but also from systems and automation technology as well as engineering-oriented methods and systems for diagnosis, therapy and rehabilitation.

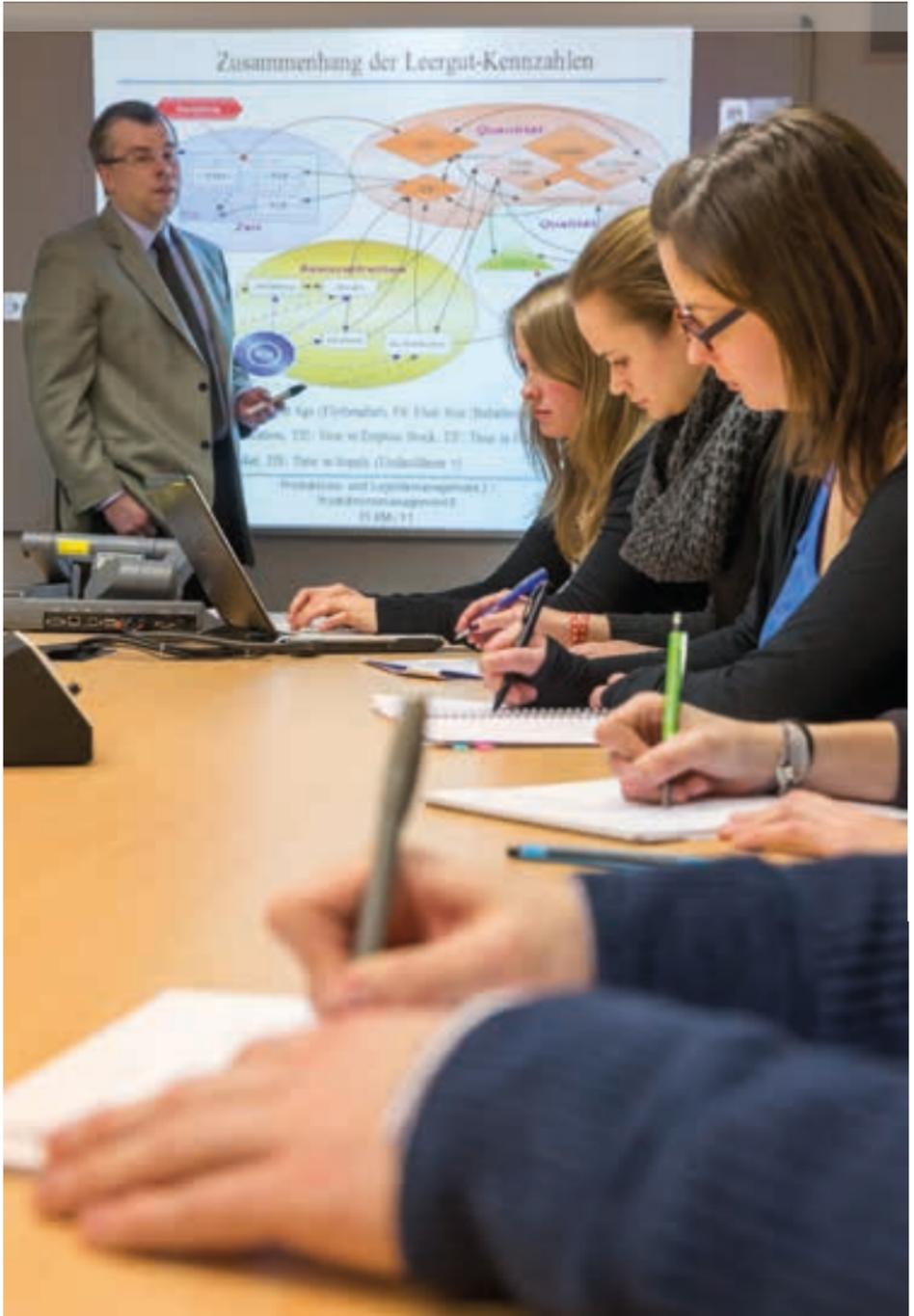
Key research areas

- » Modelling, simulation, and optimization of dynamic systems
- » Methods for the analysis and robust control of systems
- » Biomedical diagnostic and therapeutic methods
- » Bioelectrical, biomagnetic and radiological technologies as well as biosignal processing
- » Assistance and service robotics
- » Mobile communication networks
- » Model-based engineering of software and hardware/software systems
- » Methods of the automatic verification of distributed systems
- » Randomized search structures and randomized algorithms
- » Security engineering and distributed communication infrastructures
- » Processing and analysis of massive data
- » Virtual and augmented reality



Department of Economic Sciences and Media

 www.tu-ilmenau.de/en/em



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New technologies alter the processes of information, communication, and value creation for individuals, institutions, and the society as a whole. The Department of Economic Sciences and Media aims at the modern and interdisciplinary research into and teaching of the principles, mechanisms, and strategies of a digital economy and society.

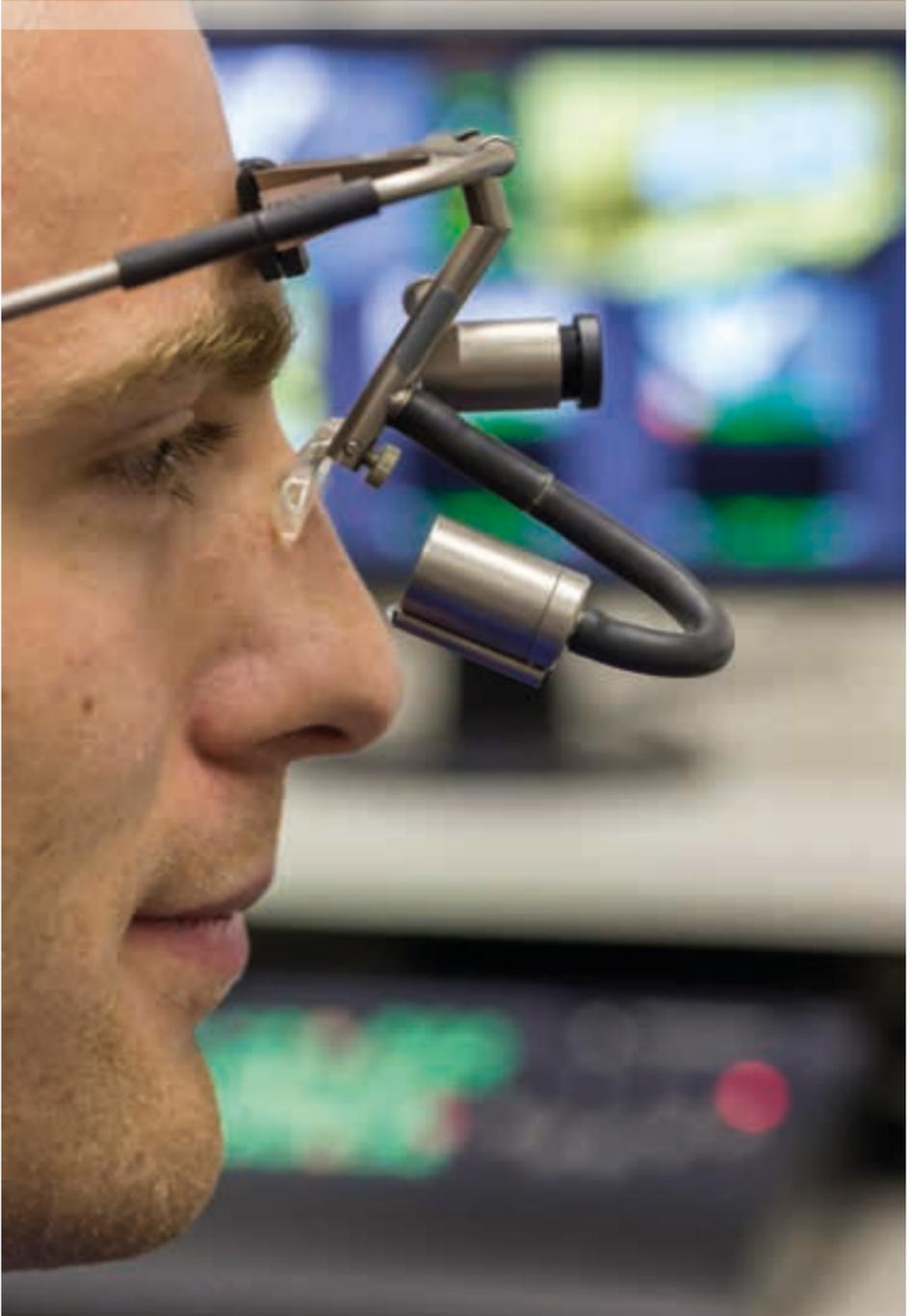
Key research areas

- » Market relations, value creation processes, and corporate management
- » Monitoring, measurement, and assessment of corporate economic activities and financial performances
- » Assessment of assets and capital values
- » Media usage, effects, and management
- » Use of digital media and new information and communication technologies
- » Organizational communication and communication in the fields of technology and innovation
- » Information and communication technologies in operational processes
- » Modelling, simulation and optimization of manufacturing processes
- » Mathematical and statistical methods for managing operational processes
- » Framework conditions, structures, and processes in economic systems
- » Competition in the media and energy markets
- » Analysis and assessment of relevant mechanisms of economic, financial, and taxation policy
- » Legal relationships in a digital society
- » Legal aspects of emerging work relationships and in labor markets
- » Patent strategy and management



Department of Electrical Engineering and Information Technology

 www.tu-ilmenau.de/en/eelit



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The Department of Electrical Engineering and Information Technology focusses on teaching and research in many fields of electrical engineering and information technology, in particular related to energy and environment, microelectronics and nanotechnology, mobile communications, new physical principles, new materials, as well as on media technology. Highly committed researchers and teachers educate highly qualified, motivated and responsible engineers, who are willing and able to cope with the future challenges of electrical engineering and information technology.

Key research areas

- » Aspects of modern information technology from the physical basics up to system-specific applications such as smart communication systems, signal processing, mobile and satellite communication, radar and sensor systems
- » Advancement of micro- and nanoelectronic systems
- » Scalable technologies and extended applications for nanostructured functional units
- » Manufacturing, characterization, simulation and optimization of semiconductor components and circuits
- » Power engineering and energy technologies from plant technology up to system integration
- » Systems and components for AC- and high-voltage DC-networks
- » System integration and components for regenerative energies, energy storage facilities and electromobility, Smart Grids
- » Simulations, analyses, test procedures, production processes, perception models, quality measurement for the fields of video, audio, multimedia and man-machine interaction



Department of Mathematics and Natural Sciences

 www.tu-ilmenau.de/en/mn



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Mathematics and natural sciences are indispensable constituents of all higher education in engineering and technology-oriented fields. True to Humboldt's ideal, the Department of Mathematics and Natural Sciences is committed to outstanding research and teaching which is nationally and internationally competitive. Its activities are characterized by strong interactions with engineers, computer scientists, and economists as well as with technology companies in the region and elsewhere.

Key research areas

- » Discrete mathematics, graph theory, and combinatorics
- » Mathematical statistics
- » Mathematical systems theory
- » Non-linear and stochastic optimization
- » Theory and numerics of differential equations
- » Microreaction technology and nanobiotechnology
- » Nano-carbon chemistry (Fullerenes, nanotubes, micro diamonds)
- » Biopolymers and porous media
- » Energy science
- » Functional surfaces and nanostructures
- » Light-matter interaction and dynamic phenomena in solids
- » Magnetism at the atomic and molecular level
- » Technical physics



Department of Mechanical Engineering

 www.tu-ilmenau.de/en/me



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Besides the classical fields of teaching and research in mechanical engineering, such as mechanics, fluid mechanics, thermodynamics, engineering design, production, production technology, production engineering, measurement technology, and automotive engineering, the Department of Mechanical Engineering represents a special kind of mechanical engineering that is focused on precision engineering, mechatronics and biomechatronics, on micro- and nanotechnologies, as well as optics and optronics.

Key research areas

- » Engineering design and CA technologies for the development and manufacturing of components, machines and precision devices; product and process development
- » New manufacturing technologies in the fields of machining, surface processing, low-heat and thermal joining technology, plastics technology, and lightweight design
- » Microsystems and nanotechnology
- » Precision engineering / precision measurement technology, nanopositioning and nanomeasuring machines
- » Mechanical, movement and assistance systems with HMI focus
- » Power and energy engineering
- » Turbulence research
- » Optronic systems and applications, image processing
- » High-tech materials for mechanical and precision engineering
- » Mobility and automotive engineering: chassis and brake systems, drive train optimization, energy-efficient drive systems
- » Integration of mechatronic systems



INTER-DEPARTMENTAL INSTITUTES

Automotive and Production Engineering

www.tu-ilmenau.de/en/iap

The inter-departmental Institute for Automotive and Production Engineering is primarily characterized by the scientific activities of the Thüringer Innovationszentrum Mobilität and the Thuringian Center for Mechanical Engineering. Taking an interdisciplinary approach, the institute deals with the interfaces between vehicle-related developments and their industrial implementation through production technologies, starting from research-intensive technologies up to integrated systems and production solutions. The spectrum of both, basic and application-oriented methods also involves systemic analysis, simulation, as well as extensive experimental verification and prototype developments.



Key research areas

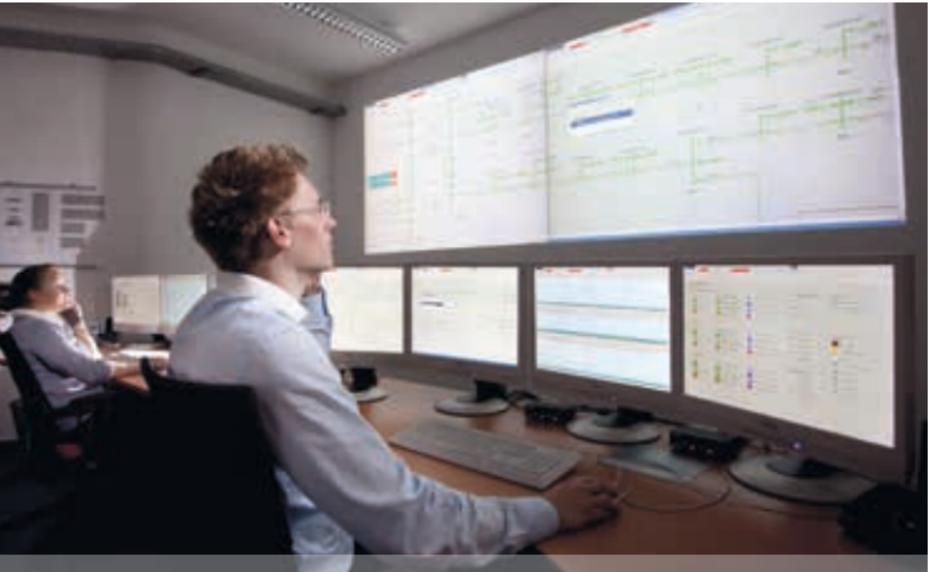
- » Powertrain
- » Electromobility
- » Vehicle IT & communication
- » Optimized combustion engines
- » Plastics processing and lightweight technologies
- » Production and manufacturing technologies
- » Quality assurance systems
- » Process IT and simulation

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Energy, Power Train and Environmental Systems Technologies

The Institute for Energy, Power Train and Environmental Systems Technologies with the Center for Energy Technology works inter-disciplinarily on research and service topics referring to environmentally friendly effective generation, storage, transmission, distribution and use of energy. The focus is on renewable energy generation, and photovoltaics especially, new supply voltage systems and efficient power train systems. In teaching the IEAU pools expertise in energy technologies especially in the Master's program for "Renewable Energy Technology".



Key research areas

- » High-performance energy systems technology
- » Intelligent energy distribution networks
- » Innovative photovoltaics
- » Dynamic power train systems
- » High voltage technology
- » Protection for future electrical energy systems

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Materials Science and Engineering

www.tu-ilmeneu.de/en/institute-of-materials-science-and-engineering

The Inter-departmental Institute of Materials Science and Engineering (IWT) includes all university groups that are mainly concerned with materials and has comprehensive expertise in the manufacture, optimization, application and characterization of materials of all kinds: constructional and functional materials, metallic and inorganic non-metallic materials, semiconductors, plastics, composite materials, as well as materials for power engineering, for electrical engineering, for mechanical engineering, and for micro- and nanotechnology.



Key research areas

- » Innovative approaches to improving existing materials
- » Development of new materials and of new materials processing technologies
- » Design of new materials concepts with a special focus on layers and nanostructured materials
- » Complex materials analysis with classical mechanical and electrical methods, with procedures applying X-rays and analytical electron microscopy, as well as with surface sensitive methods

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Media and Mobile Communications

www.tu-ilmenau.de/en/institute-of-media-and-mobile-communications

The inter-departmental Institute for Media and Mobile Communications was founded in 2011 in order to coordinate research and foster collaboration among more than 30 groups of the Technische Universität Ilmenau and the Fraunhofer Institute for Digital Media Technology (IDMT).



Key research areas

- » Media technologies and their applications
- » Mobile communication
- » Production and perception of media content
- » Wireless transmission and sensor technology

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Micro- and Nanotechnologies

www.tu-ilmenau.de/en/imn



The Inter-departmental Institute of Micro- and Nanotechnologies (IMN MacroNano®) is where 39 groups and junior research units from various departments of the Technische Universität Ilmenau are conducting joint research into the fundamentals, new technologies, and applications of micro- and nanosystems for the fields of life sciences, photonics, and energy efficiency. At the federally funded core facility "Micro-Nano Integration", external partners from science and industry can make use of the outstanding technological infrastructure and the special equipment.



DEPARTMENTS

Key research areas

- » Micro- and nanoelectronics, -sensorics and -diagnostics
- » Micro- and nano-system integration
- » Intelligent materials and surface modification
- » Fluidic systems and bio-microsystems engineering
- » Micro-opto-electro-mechanical systems
- » Nanomeasuring and nanopositioning technology

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 - 🌐 www.tu-ilmenau.de/asc
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-

International Office

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 - ✉ auslandsamt@tu-ilmenau.de
 - 🌐 www.tu-ilmenau.de/en/international
-

Language Institute

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LOCATION AND HOW TO GET THERE





↓ From the North

When travelling on the A71 motorway towards Schweinfurt turn off at the "Ilmenau-Ost" exit, then take the first exit off the roundabout towards Ilmenau. From here follow the sign posts to the University (Technische Universität Ilmenau).

→ From the West

When travelling on the A4 motorway from the west (Frankfurt, Eisenach, etc). At the motorway junction "Kreuz Erfurt-West" turn off onto the A71 motorway towards Schweinfurt. Turn off at the "Ilmenau-Ost" exit, then take the first exit off the roundabout towards Ilmenau. From here follow the sign posts to the University (Technische Universität Ilmenau).

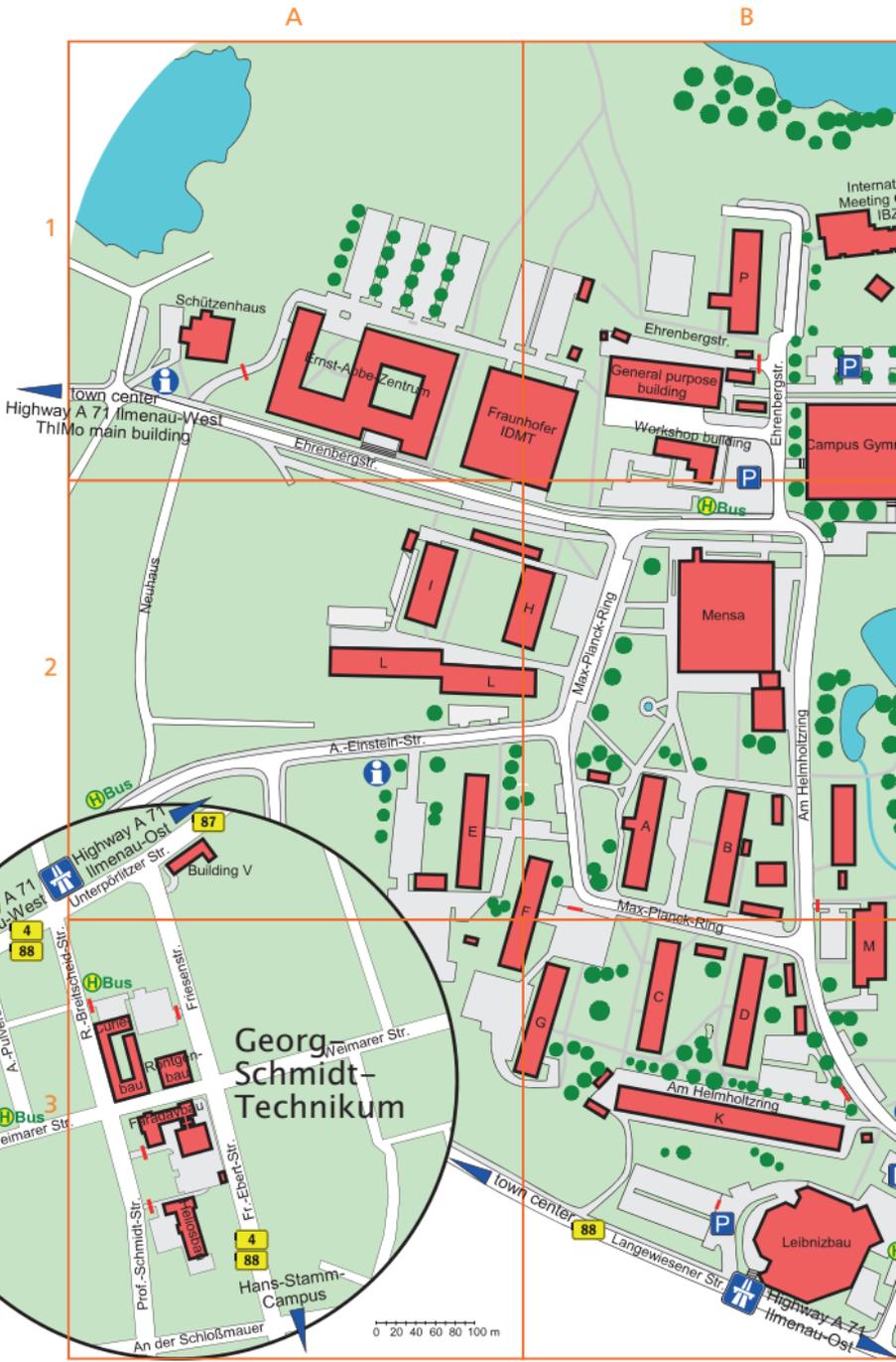
← From the East

When travelling on the A4 motorway from the east (Leipzig, Dresden, etc.). At the motorway junction "Kreuz Erfurt-West" turn off onto the A71 motorway towards Schweinfurt. Turn off at the "Ilmenau-Ost" exit, then take the first exit off the roundabout towards Ilmenau. From here follow the sign posts to the University (Technische Universität Ilmenau).

↑ From the South

When travelling on the A71 motorway towards Erfurt turn off at the "Ilmenau-Ost" exit, then take the first exit off the roundabout towards Ilmenau. From here follow the sign posts to the University (Technische Universität Ilmenau).

Map of campus





Arrheniusbau	D1/2
Bionikgebäude	D2
Building V	A2
Campus Gymnasium	B1/2
Computer Center	C/D 3
Curiebau	A3
Dormitories	
A, B	B2
C, D	B3
E	A2
H	A/B 2
I	A2
K	B3
L	A2
N	B3
P	B1
Q	D1
Ernst-Abbe-Zentrum (Office of the President)	A1
Experimental facility OPAL	C1
Faradaybau	A3
Feynmanbau	D1
Fraunhofer Institute for Digital Media Technology	A/B 1
General purpose building	B1
Haus F	A/B 2/3
Haus G	B3
Haus M	B2/3
Heliosbau	A3
Helmholtzbau	C/D 2
Humboldtbau	C2
International Meeting Center (IBZ)	B1
Kirchhoffbau	C/D 1/2
Leibnizbau (Library; Hall of the Senate; Patent Center Thuringia)	B3
Leonardo-da-Vinci-Bau	D1
Library (in Leibnizbau)	B3
Machine hall	D1
Media laboratory	C3
Meitnerbau	D1
Mensa (Refectory and cafeteria)	B2
Newtonbau	C2
Oeconomicum	D2
Office of the President (in Ernst-Abbe-Zentrum)	A1
PATON Patent Center Thuringia (in Leibnizbau)	B3
Press Office (in Haus G)	B3
Projekthalle (building for research projects)	C3
Refectory and cafeteria (Mensa)	B2
Röntgenbau	A3
Schützenhaus	A1
Sports ground	C1
Staudingerbau	D1/2
TU Ilmenau International School (in Haus G)	B3
University Sports Center	B/C 1
Workshop building	B1
Zusebau	D2

IMPRINT

Publisher:

President of the Technische Universität Ilmenau

Editing:

Senior editor:

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Photographs:

helibild.de, ©istockphoto.com/TomML (p. 14), Michael Reichel,
Sebastian Trepesch, TU Ilmenau, TU Ilmenau Service GmbH,
©istockphoto.com/evirgen (p. 48)

Map of Campus:

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