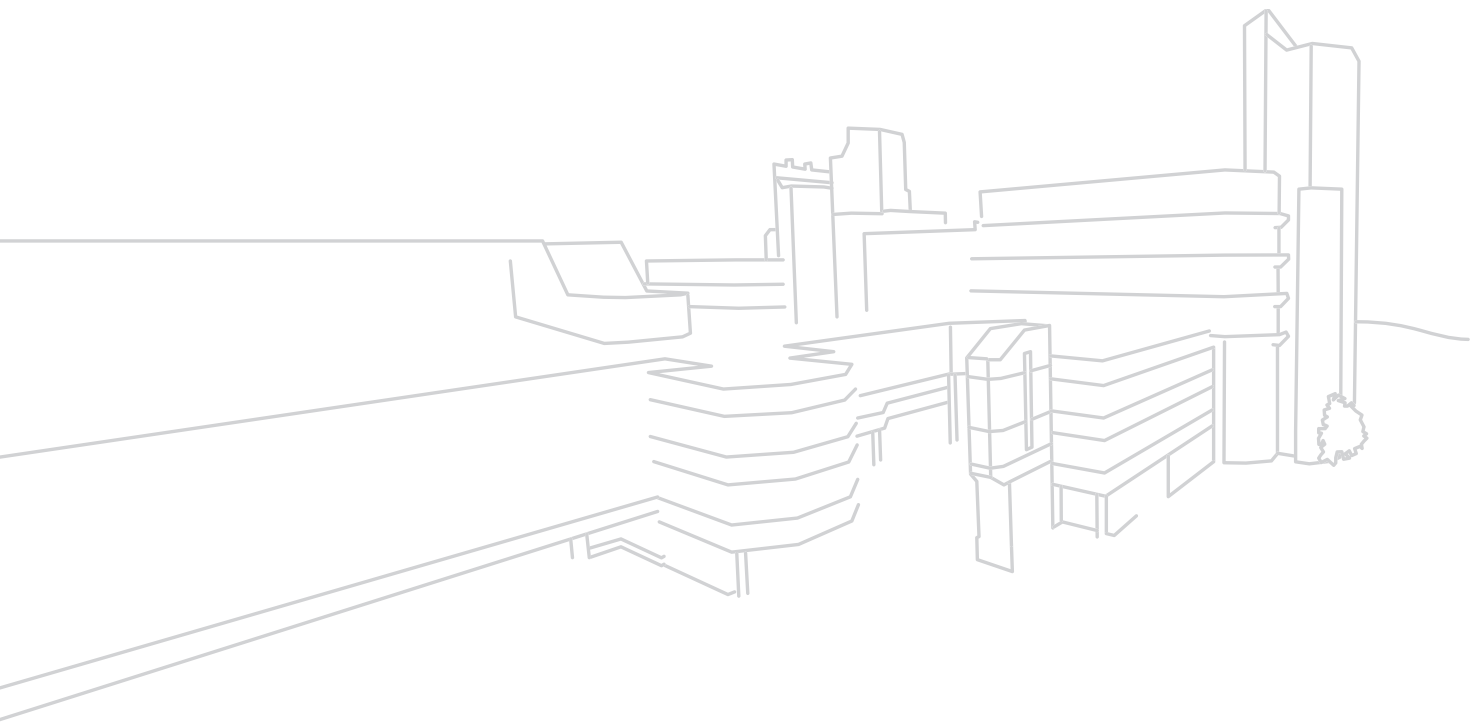




University of Siegen

Creating a Humane Future





«At the University of Siegen a climate developed early on where scientific research activity could flourish alongside teaching.»

Artur Woll (Founding Rector of the University of Siegen)

Creating a Humane Future

EDITORIAL

» At the University of Siegen, our committed interdisciplinary approach has a lasting impact on teaching and research. This facilitates numerous collaborative projects at Siegen. On a daily basis, our activities integrate contributions from different faculties and academic subjects. Collaborative projects involving the so-called MINT subjects (mathematics, informatics, natural sciences, technology) as well as the humanities, social sciences and economics are further advanced. At the same time, basic theoretical and applied research is combined to achieve common goals. These interdisciplinary and transdisciplinary studies inspire the intellectual mobility of all university members to deliver exceptionally innovative results.

As an internationally established medium-sized research university, we also consider teaching as a research-based process. We offer our students support as they pursue academic careers and enter professions outside the university. Vocational subjects can be selected at various stages of academic degree courses, and from the winter semester 2012/13 all University of Siegen degree programmes will result in a Bachelor's or Master's degree qualification. We make a substantial contribution to the formation of a European university and are cooperating closely at an international level with well over one hundred universities worldwide. The university's international profile is thus established and consolidated through its commitment to international collaborative projects, research networks, partnerships and exchanges for visiting scholars and researchers. Such activities strengthen the University of Siegen's orientation to global standards and ensure it to remain competitive.

The University of Siegen's mission is to design and shape a humane future. This philosophy as well as the motto "Creating a humane future" not least implies responsibility towards individuals as well as society beyond the university campus. Research and teaching activities at the University of Siegen are dedicated to this end. The ideas and visions of students and young academics and scholars will decisively influence the future. In particular, they single-mindedly pursue their main interest: the opportunity to develop their skills and potential. At the University of Siegen we offer this opportunity!

I warmly invite you to visit the University of Siegen to gain an initial impression and experience the atmosphere on campus. I recommend exploring our region, the university town of Siegen and the district of Siegen-Wittgenstein.

You are very welcome at our university!



*Prof. Dr. Holger Burckhart
Rector of the
University of Siegen*



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An International Focus: Worldwide Networks



At the University of Siegen we place special emphasis on establishing and cultivating wide-ranging international relations. Our aim is to integrate a broad cross-section into research and teaching activities, and to promote interaction among individual academics as well as diverse cultures and nationalities. We aim to reinforce the international and intercultural skills of all university members. Meanwhile, a stronger orientation towards global scientific research activity together with a clear focus on student requirements are based, primarily, on five English-speaking degree programmes, a flourishing exchange programme in the context of academic mobility schemes and international study options for postgraduate scholars.

The University of Siegen works in partnership with 116 universities and institutions worldwide and has signed 150 agreements with universities within the framework of the LLP (Lifelong Learning Programme)/Erasmus programme. This forms the basis for a vibrant exchange programme of guest scientists as well as foreign students who substantially enrich scientific research, life and learning at the University of Siegen. The International Office is a central hub for the coordination of numerous internationally oriented

projects. It prepares guest stays for foreign students and guest academics in Siegen, as well as provides advisory services. An intensive programme of supervision via tutorials for foreign academics contributes to their rapid integration and successful stay in Siegen. Our international profile is also underlined by the high proportion of more than 13 per cent of foreign students, doctoral research scholars and guest researchers from every continent who enrich everyday life at the university.

The International Office also provides support for academics from Siegen to research abroad and assists in selecting an appropriate host university overseas among the large choice of institutions and locations, so that they can deepen their studies according to their chosen specialization and within an intercultural context. Here, for example, our International Office has a branch office in China which has gained international recognition. There, the University of Siegen cultivates numerous links to academic institutions in Asia. It offers advice to students planning a study abroad period in China and support for academics and scholars planning a research visit there.



Science & Research

Scientists and scholars depend on networks. Scientific problems as well as social challenges merit interdisciplinary solutions. Given the complexity of such issues they can no longer be resolved by applying the methods of a single academic discipline. The University of Siegen has organized its institutes and research centres to focus on interdisciplinary collaborative research. "Creating a humane future" is a central principle for our interdisciplinary contribution to society's ability to respond to future challenges and acknowledge a shared sense of responsibility for humans and the environment.

This paradigm is realized in concrete terms in the following research areas within four interdisciplinary-oriented faculties:

- "Transdisciplinary Cultural and Media Studies" with special reference to comparative media and social research. The main focus lies on social and cultural transformation processes, in particular, in the field of a new interpretation of location- and context-specific media culture (Faculty I)
- "Creating Spaces" as a focus on research into cultural and spatial architecture of educational contexts and social spaces with special emphasis in the field of inclusion (Faculty II)
- "Governance" as the central hierarchical structure for the study of control and regulatory mechanisms of modern organizations with a special emphasis on businesses in the SME category (Faculty III)

- "Convergent innovation" as complementary basic and applied research of scientific and technical principles, methods and systems, in particular in the fields of sensor technology, innovative materials and intelligent production technologies (Faculty IV)

These academic activities are supported by cross-faculty research centres and networks which result from the current scientific issue. One example is the Research School – "Creating a humane future" which does not only appropriate the university's claim but also explores this notion by examining issues related to our ability to rise to future challenges together with guest scholars and academics.

Graduate Research School

“Creating a Humane Future”

Based on an initiative of the University of Siegen, the state of North Rhine-Westphalia and the Sparkassenstiftung “Zukunft”, the Research School “Creating a humane future” defines its objective not merely as investigating the future as an end in itself, but under the premise to design the present so that the future is worthwhile for forthcoming generations.

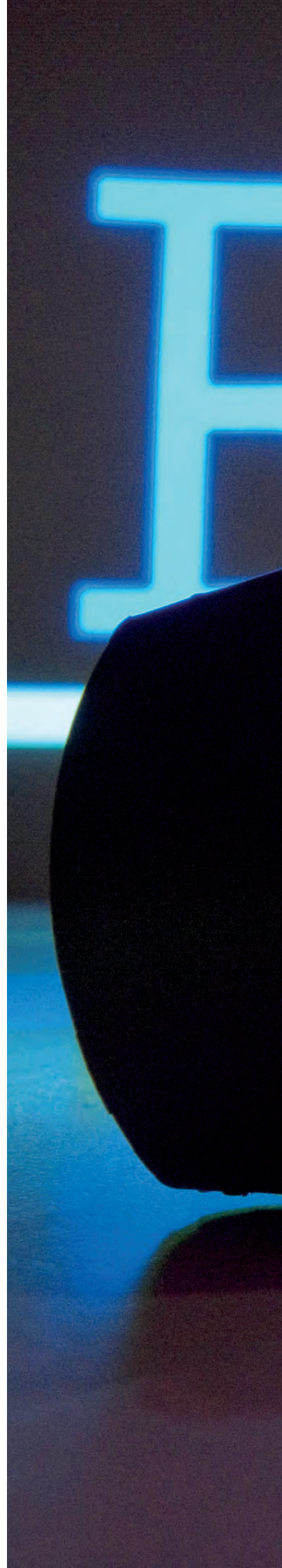
Adopting this motto as a central principle, interdisciplinary research at the University of Siegen is promoted in terms of our ability to design the future and to advance international research networks. At our research school, defining the way in which we confront the future implies maintaining natural and man-made living conditions in the face of growing environmental, technical and safety risks.

In many cases when dealing with present-day and future challenges, cross-border issues are raised and nationally adopted measures frequently have repercussions in other countries. Hence, one of the research school’s four main areas of research is the study of regulatory structures in multi-level systems as well as their implementation in politics, the economy and society (Global Governance).

Responding to the future also depends on education, the social welfare system and the integration of all groups in society. The research area “Mobility and Diversity” therefore highlights the study of new educational and working models, adapting to demographic change, the inclusion of groups previously insufficiently integrated and the migration of professionals and experts from other regions of the world.

Global and demographic change also sets in motion processes of change and related adjustments. The research area “Innovation and Development” concentrates on monitoring the challenges arising in the context of securing economic, political and social innovative potential in Germany and Europe.

At the same time, the guarantee of a humane future involves dealing with environmental, technical and security risks. In addition to ethical analysis, the research area “Civil Security” also examines the psychological, communicative and legal aspects of reliance on technology.







Interdisciplinarity

Interdisciplinarity plays a leading role in the debate about how knowledge is produced, understood and disseminated. Although the idea of interdisciplinarity is relatively recent, at Siegen its significance was recognized early on. From the outset, interdisciplinary research furnishes greater insights by expanding and supplementing what a particular discipline may say about an individual problem by modifying or putting into perspective the views of competing disciplines. Modern society's growing complexity presents a crucial need for knowledge and proposals for scientific solutions. Social challenges can only be overcome by deferring to interdisciplinary and future-oriented solutions. This impacts on structures, research, teaching and knowledge transfer:

- The Centre for Sensorsystems (ZESS) is one of the main scientific research institutes at the University of Siegen where scientists from engineering and science disciplines work on interdisciplinary projects at a single research centre. After twenty years, the Centre for Sensorsystems (ZESS) can look back on a history of impressive innovations and has achieved a leading international position in a number of different areas of sensor technology. (Research)
- The interdisciplinary Master's degree programme "Media and Society" is a unique study concept jointly supported by the faculties of arts and economics. This programme combines the expertise of the various disciplines and students are familiarized with the latest research results and scientific methods. Thus, research creativity and innovation potential are reinforced. (Teaching)



Experience the University of Siegen

Formerly the site of iron and steel works, nowadays at the University of Siegen careers, patents, spin-offs and innovations as well as international research transfer are being shaped. As demonstrated by a diverse range of public lecture series, exhibitions, lectures, concerts and advanced and further training programmes available at the University of Siegen, scientific excellence can also be made attractive and accessible beyond the 'ivory tower'.

Siegen's cultural highlights such as the Museum für Gegenwartskunst (Museum of Contemporary Art) and Apollo Theatre were initiatives not least inspired by the university and are now a permanent fixture for the region's cultural and educational repertoire.

Inspiring the region for science and actively presenting the University of Siegen as a place of learning and research provided the motivation for inaugurating the Open University for the first time in 2011. From debates rehearsed at a simulated UN conference, discussing the origins of earthquakes or the challenges of a language rally – the workshops, lectures, campus tours, gastronomic delights and culture attracted more than 2,500 attendees of the Open University that will be repeated with a new programme for 2012.

- The Automotive Centre South Westphalia (ACS) is a prime example of a structure based on networking – a reference both to the interplay of theory and practice as well as various scientific disciplines. Funded by public and private sources, the Automotive Centre South Westphalia is an umbrella organization that combines the major scientific disciplines as a platform for research and development in the field of automotive lightweight construction. (Transfer)
- The structure of four independent faculties facilitates an organizational context that highlights the identification of key research areas and networks for teaching and research as well as promoting academics' interdisciplinary work. (Structure)



Student Life – A Personal Atmosphere

Students at the University of Siegen have excellent facilities to sustain their studies and for an enriching social life. They benefit from the dedicated personal supervision offered by our teaching staff and academics. Study programmes are clearly organized with modules delivering core content, thus facilitating a fast and flexible pace of learning within a conventional timescale – and including a study period abroad.

In addition to attending lectures and seminars, to expand their personal skills there are a wide range of student activities – from a student-run TV station to joining a simulated UN event or setting up and participating as a fast car racing driver at Hockenheim or playing a part as a team member in a student management consultancy firm. There are numerous possibilities to get involved and meet fellow students at Siegen University. Siegen is also home to the arts with plenty of scope to engage in an impressive range of cultural activities. Whether you want to join in with the university choir, a big band or theatre group – all those who are not just interested, but keen to get involved in the university's musical, theatre, dance or art events can choose from a wide range of different activities.

At the University of Siegen, one important decision is made easy – getting the balance right between studies and family life. At Siegen you can combine both. The Hertie Stiftung certification of “family-friendly university” emphasizes the particularly tolerant, family-friendly approach to the university's academic staff and organization of study programmes. Many families benefit from advisory services and flexible working hours.

Not only students' intellectual development and family life are given support. In keeping with the motto 'Mens sana in corpore sano', Siegen university offers a wide range of sporting activities. From Zumba to badminton or indoor soccer, Capoeira, aqua gym or Aikido – members of the University of Siegen can enjoy a modern and wide-ranging choice of sporting pursuits every semester.

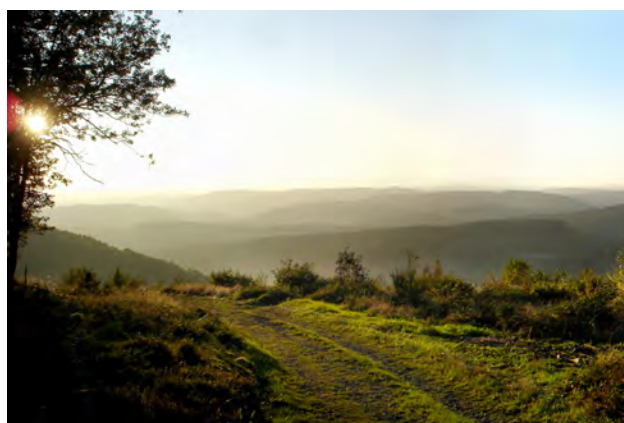
Exploring the City and Region

Siegen is a modern university town set in beautiful countryside. The university offers a wide range of enjoyable leisure-time pursuits and lifestyle opportunities to its more than 15,000 students, academics and employees during their teaching, learning and research activities here.

The attractive natural landscape invites visitors to relax and regenerate, for example, on hiking tours or Nordic walking along the Rothaarsteig, playing a round of golf on the 18-hole course, or gliding high above the region or enjoying the nearby winter sports facilities.

A versatile range of arts events is available for a cultural interested party. From Baroque painting or contemporary art to jazz and classical concerts, theatre, comedy reviews, cabaret or variety theatre – all this can be enjoyed in Siegen. In 2011, the German Section of the International Association of Art Critics (AICA) awarded Siegen's Museum für Gegenwartskunst (Museum of Contemporary Art) the accolade "Museum of the Year". The Apollo Theatre offers independent productions, guest performances by renowned ensembles and concerts by the South Westphalia Philharmonic Orchestra. The media and cultural house LYZ presents a wide range of events for music, theatre, comedy, cabaret and variety theatre and a venue for the jazz club. At the Siegerland Halle, popstars regularly give live performances.

The region also offers an excellent choice of gastronomy and restaurants. Almost everything is available from cafés to cosy student bars, beer gardens for warm, sunny days, restaurants serving German and international specialities as well as discothèques.



Degree Courses and Study Options

	Teaching Degree (BA/MA)	Bachelor	Master	Promotion
Philosophy	•	•*	• ^E	•
Protestant + Catholic Theology	•			•
Religion in an European Context		• ^E		
Social Sciences (Master's also as a part-time degree course)	•	•*	•*	•
Roads to Democracy(ies)			•	•
International Cultural History Studies			•	•
History	•	•*	• ^E	•
Language and Communication		•*		
Linguistics: German, English and Romance Languages (also as part-time degree course)			•	•
Literature, Culture, Media		•*		
Literary Theory: Literature, Culture, Media (also as a part-time degree course)			•*	•
Applied Linguistics: Communication and Foreign Languages for Vocational Purposes (also as a part-time degree course)		•	•	•
Media Studies		•*		
Media Culture (also as a part-time degree course)			•*	•
Media and Society (also as a part-time degree course)			•	•
Art History		• ^E		
Europe in Global Transition		• ^E		
Communication and Media		• ^E		
Media Management		• ^E		
Christian Theologies in An Ecumenical Perspective		•		
Social Policy		• ^E		
German	•			•
English	•			•
French	•			•
Spanish	•			•
General Science	•			
Educational Theory: Development and Inclusion		•		
Social Work		•		
Education and Social Work (also as a part-time degree course)			•	•
Architecture		•	•	•
Urban Development – North Rhine-Westphalia			•	•
Educational Sciences	•			
Art	•			•
Music	•			•
Economics	•	• ^E		
Finance and Accounting (Financial Services)	•			
Finance and Accounting (specializing in Taxation)	•			
Production/Logistics/Sales (specializing in Marketing/Commerce)	•			

	Teaching Degree (BA/MA)	Bachelor	Master	Promotion
Information Systems (also as a dual study programme for Bachelor's degree)	•	•	•	•
Human Computer Interaction			•	•
Business Administration		•		
Economics		•		
Economic Policy			•	•
German and European Business Law		•	•	•
Controlling and Risk Management			•	•
Management of Small and Medium-Sized Enterprises			•	•
Management and Markets			•	•
Accounting, Auditing and Taxation			•	•
Economics / Politics	•			
Executive Master of Business Administration (Master's degree for advanced study)			•	
Mathematics	•	•	•	•
Physics	•	•	•	•
Chemistry	•	•	•	•
Biology	•			
Civil Engineering (also as a dual study programme for Bachelor's degree)		•	•	•
Mechanical Engineering (also as a dual study programme for Bachelor's degree)	•	•	•	•
International Project Engineering and Management		•	•	•
Automotive Manufacturing		•	•	•
Industrial Engineering and Management		•	•	•
Mechanical Engineering (bi-national)		•		
Production Engineering	•			
Mechanical Engineering Technology	•			
Electrical Engineering (also as a dual study programme for Bachelor's degree)	•	•	•	
Communication Technology			•	•
Microsystems Technology			•	•
Automation Engineering			•	•
Computer Engineering	•		•	•
Computer Science (also as a dual study programme for Bachelor's degree)	•	•	•	•
Visual Computing			•	•
Media and Computing			•	•
Mechatronics			•	•

- Faculty of Arts
- Faculty of Education • Architecture • Arts
- Faculty of Economics, Information Systems and Business Law
- Faculty of Science and Technology

* also as a supplementary subject
^E only as a supplementary subject

Doctoral Research Studies

After the completion of a Master's or Bachelor's degree, postgraduate students can also opt to pursue doctoral studies in all faculties. The University of Siegen also offers specific options and PhD degree programmes:

Faculty I	The "Locating Media" Graduate School incorporates doctoral dissertation projects focusing on media processes related to specific localities and situations. For more information please refer to www.uni-siegen.de/locatingmedia
	Doctoral Research School "Democracy and Capitalism" – Doctoral dissertation projects at the research school are based on investigating the connection between economic production and political organization. For more information please refer to www.uni-siegen.de/phil/demokratie_und_kapitalismus
	Dual PhD programme "European and Global Studies" – This PhD degree programme is convened jointly by the universities of Siegen and Lancaster (UK). Doctoral candidates are eligible from a range of different study disciplines, if the topic of their doctoral thesis is related to the field of "European and Global Studies". For more information please refer to www.uni-siegen.de/phil/internationales/projects/europeanglobal
Faculty II	International PhD degree programme for Educational Science and Psychology (INEDD) – Germany-wide, the only international doctoral degree programme for educational science. One of the main goals of the doctorate programme is reducing the duration of a PhD by integrating the research into a disciplinary and curricular framework based on the individual projects. For more information please refer to www.uni-siegen.de/inedd
Faculty III	Research School Business & Economics (RSBE) – At the Research School, interdisciplinary research projects are combined under the heading of "Decentral Organization". This is a topical area for inquiry not only in light of the current economic and financial crisis, in which recovery measures are aimed primarily at restrictions in decentralised activities by means of regulation and re-centralisation. It is also relevant because the internationalisation of decentralised systems in particular raises a host of research questions that have remained unresolved to date. For more information please refer to www.rsbe.uni-siegen.de
Faculty IV	MOSES is a high level project and research oriented postgraduate programme that qualifies for autonomous scientific work and professional activity in research and development. One of the main goals is to promote the participants to the German doctoral degree Dr.-Ing. or Dr. rer.nat. within a period of three years. MOSES offers research and education opportunities in all aspects of sensors, multi modal sensor systems, sensor data processing, multi sensor data fusion, data mining simulation and optimization of complex sensor systems with applications in nearly any scientific and technical field. For more information please refer to www.zess.uni-siegen.de/moses
	The International Postgraduate Programme (IPP) Multi Sensorics of the Center for Sensorsystems (ZESS) and the Research Center for Multidisciplinary Analysis and Applied System Optimization (FOMAAS) at the University of Siegen is funded by DAAD and DFG. The IPP Multi Sensorics organizes educational activities and covers expenses which normally cannot be covered by a research grant. The programme potentially supports doctoral students of the Faculty of Electrical and Mechanical Engineering and is further open to all doctoral students from scientific academic areas with, however, strong relationship to the aforementioned engineering disciplines. For more information please refer to www.zess.uni-siegen.de/ipp
	Research School "Imaging New Modalities" – Main objective of the Research Training Group is to ensure an efficient education of the Ph.D. students in combination with high quality research. Therefore, several structural elements are introduced, ensuring an attractive and interdisciplinary research environment for the research training group. The key idea is to provide optimized support in the propagation of essential knowledge in respect to the individual research topic. For more information please refer to www.grk1564.uni-siegen.de

Faculty Structure

Faculty I: Faculty of Arts

- English Studies
- Protestant Theology
- German Studies
- History
- Catholic Theology
- Media Studies
- Philosophy
- Romance Studies
- Social Sciences

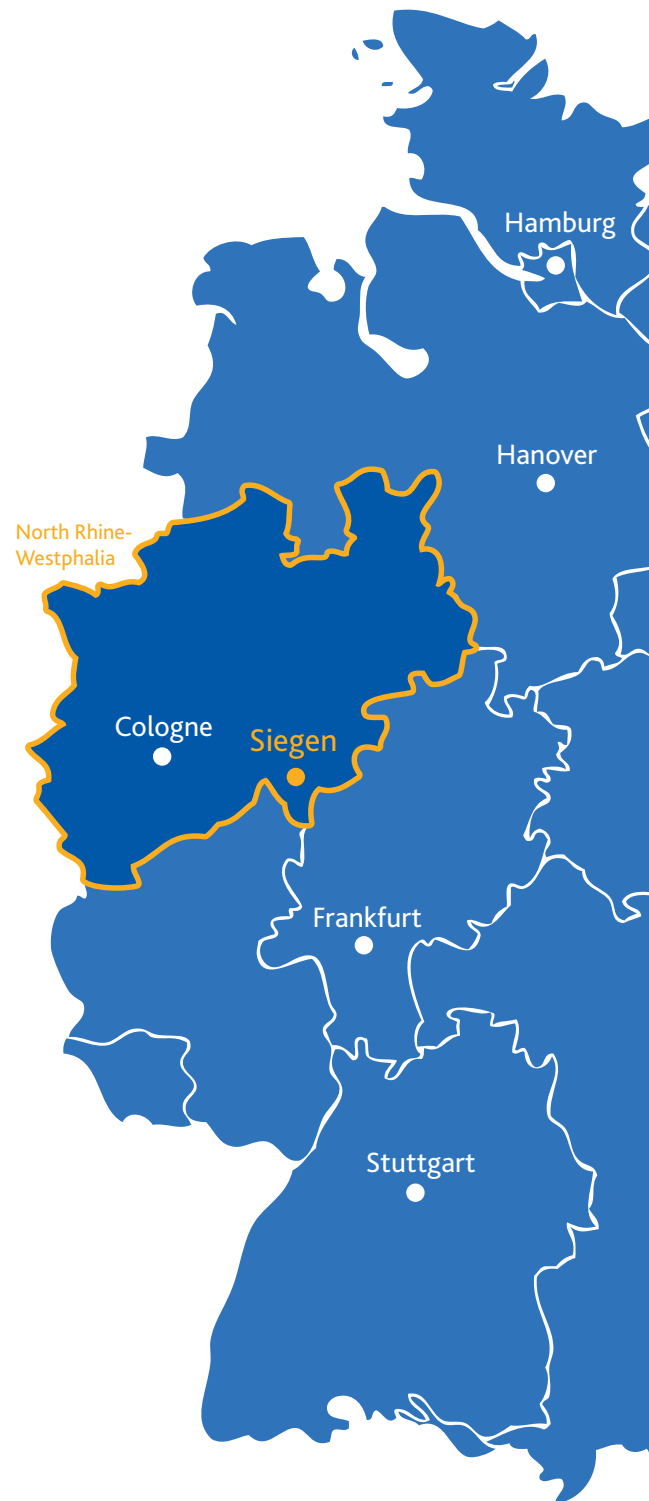
Faculty II: Education • Architecture • Arts

- Educational Science • Psychology
- Architecture
- Art and Music

Faculty III: School of Economic Disciplines

Faculty IV: Science and Technology

- Civil Engineering
- Mechanical Engineering
- Chemistry – Biology
- Mathematics
- Electrical Engineering – Computer Science
- Physics



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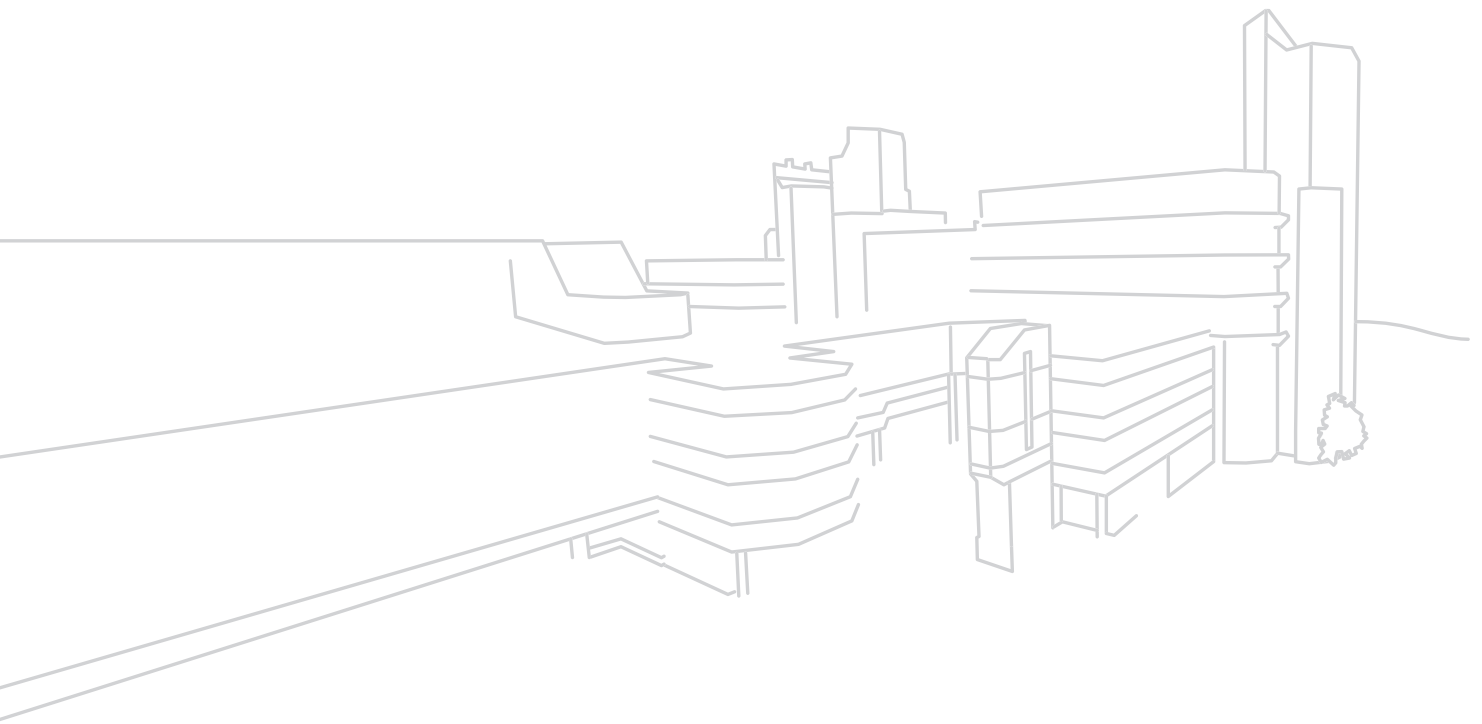
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Credits

Published by The Rector of the University of Siegen
Editorial Press and Communications Office
Typesetting Press and Communications Office
Photos University of Siegen, City of Siegen (p. 13)
Printed by UniPrint

Version Mai 2012