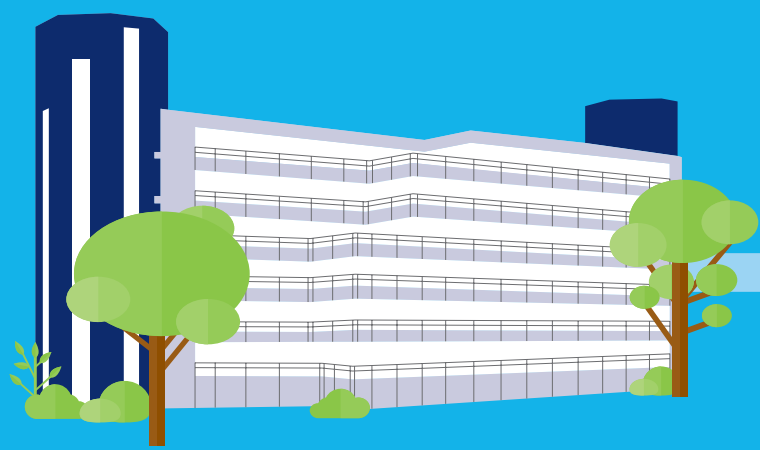


**STUDYING IN GERMANY
INTERNATIONAL MASTER'S PROGRAMS
IN INFORMATION TECHNOLOGY
AND ENGINEERING**



campus size: 328,772 square meters
1,110 meters of underground tunnels

48
completed
PhD degrees
(2015)

687 BA/MA degrees
(faculty)

3,316

Students in total
(faculty, 2016)

biggest
ON CAMPUS
music festival
in Germany



between campus and city center:
2 supermarkets, 2 shopping malls,
bars and cafes, a theatre



distance campus – city center:
2 km

FACULTY RESEARCH NETWORKS
(2015)



3	5	11
departments institutes	structured PhD schools	colaborative and technology-transfer labs
2	2	1
colaborative research centers	Fraunhofer institutions	Mercator/Volkswagen foundations



Work
• free gym for university
staff and students
• massage at work
• office sports therapy



Family
• various options for
flexible child care
• 2 child care centers
on campus
• guest boarding house



Recreation/Campus Life
• golf club next to the campus (27 holes)
• sports facilities
• activities such as American football, soccer,
lacrosse, rugby and 55 further sports
• university radio station and TV program
• university orchestra, big band and student
drama groups
• clubs and activities

INTERNATIONAL STUDENTS
(university, fall semester 2015/16)

1,305	10%	2%	47%	0%	39%
foreigners	Africa	Americas	Asia	Australia	Europe



6 different daily
cafeteria menus
including vegan,
vegetarian, lactose-free

4,146

Facebook followers ESE
(2016)

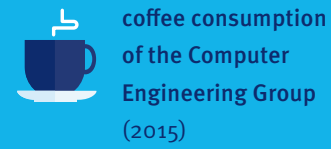
10.4

external funds
(in M€, faculty, 2015)

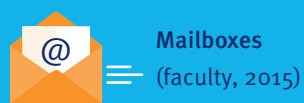
FACULTY STAFF (2015)

55
professors
227
research assistants
72
non-academic staff

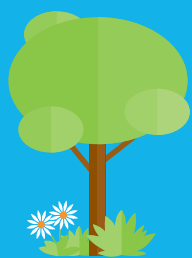
5,285 coffee consumption
of the Computer
Engineering Group
(2015)



ca. 3,340 Mailboxes
(faculty, 2015)



lakes in and around
Paderborn
kayaking, water skiing,
swimming, sailing



Paderborn is green!
over 65% of the area is nature,
fields and parks

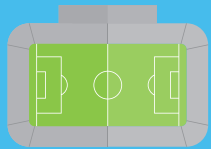
inhabitants of Paderborn
Paderborn is young! Around 50% of the
population is younger than 40. Paderborn
has 147,700 inhabitants (June 30, 2015)
and is still growing.



Airport Paderborn-Lippstadt
~ 20 km from the city center



Paderborn Soccer Club
founded in 1907, moved to
the Benteler Arena in 2008.



Teutoburg Forest,
Egge Mountain Range, Extern Stones
mountains to the northeast of Paderborn with 2000 km of hiking
trails and the Extern Stones, a 40 meter high rock formation
in a 100 year old nature preserve
~ 25 km from the city center



Hermann Monument
the highest statue in Germany (53.5 m)
commemorating the battle against the Romans
in the Teutoburger Forest
~ 30 km from the city center

PADERBORN

founded in
777 A.D.
1,200 years of history

Historic
Town Hall



Episcopal See
Paderborn has been
the seat of a bishop
since 799 A.D.

Dalheim Abbey
550 year old former abbey.
Germany's first museum
for monastic culture was
established in 2007.
~ 25 km from the city center



Heinz Nixdorf MuseumsForum
the world's largest computer museum



Paderborn
Cathedral



CITY CENTER

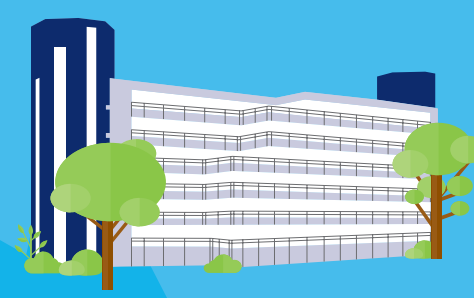
top IT location
(Software Atlas 2012)



Paderborn
Theater



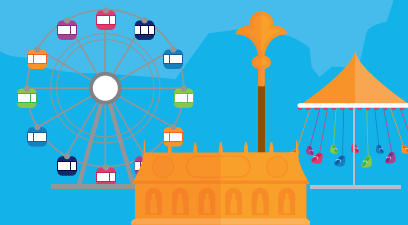
Corvey Castle
UNESCO World Heritage Site,
abbey, castle and museum
~ 58 km from the city center



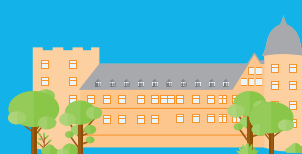
Paderborn University



students
home to 22,000 students,
of whom 90% study at
Paderborn University



Libori
a nine-day street fair and celebration of clerical
tradition with with 1.7 million visitors



Wewelsburg
Germany's only triangular fortress,
home to various exhibitions
~ 20 km from the city center

Paderborn University, founded in 1972, has developed into an internationally respected center of research and higher education. With just under 20,000 students – including 10% international students – and almost 240 professors, we offer modern degree programs tailored to the job market and an individualized, student-centric approach. We are located in the green heart of Germany: Hamburg, Brussels and Frankfurt are not far away. Germany has a long-standing academic tradition: its higher education is highly valued in society and is respected worldwide. This has resulted in a high level of funding for research and teaching with multiple distinguished institutions and foundations providing grants. In Paderborn, our understanding of university is based upon excellent quality of research and teaching embedded in and supported by local, regional and international networks.

10 GOOD REASONS FOR PADERBORN UNIVERSITY

- Jobs** – Our network with firms and businesses in the region and beyond will provide you with job opportunities during and after your studies.
- Affordable** – There are no tuition fees in Germany, not even for international students. The German state pays for the high quality of higher education.
- Compact** – A campus university means that you will find everything you need (library, housing, cafeteria, shopping, entertainment) within walking distance.
- Safe** – No one gets lost in Paderborn: this is a safe and tolerant city. Most people can converse in English and are happy to help you.
- Supportive** – We guide you individually, starting with your application here.
- Personal** – You are never an anonymous student here. There are guides in the faculties and in the International Office who can provide you with individual help.
- Communicative** – For our English-language Master's Program you do not need to speak German, but a little knowledge of the language will help make your stay here more comfortable.
- Comfortable** – Paderborn offers high quality student housing at reasonable prices.
- Practical** – The companies located in and around Paderborn offer numerous opportunities for internships as well as practical subjects for a thesis.
- Equality** – All students have equal opportunities at our university. There is also very little hierarchy between students and professors. Students are expected to be independent and to define their own course of study. You will easily receive the support you need if you come prepared and motivated.



“ We welcome international students into our English Master's Program in Computer Science. We offer a comprehensive curriculum with many alternative choices for specialized knowledge in a variety of fields of computer science. With Paderborn being an IT hot spot, international students often find jobs with global IT players in the area, while studying. German students like our English Master's program to practice their skills in speaking, listening and writing in English. The mixture of international and German students in the courses is another Plus for students as well as our lecturers. ”

MASTER OF SCIENCE IN COMPUTER SCIENCE

Our Master's program in Computer Science prepares professionals for the challenges of rapidly advancing developments and markets in information technology (IT). The program covers aspects of software and hardware with an emphasis on algorithms and software technology.

Available modules are structured into the following five focus areas:

- Algorithm Design
- Software Engineering
- Computer Systems
- Networks and Communication
- Intelligence and Data

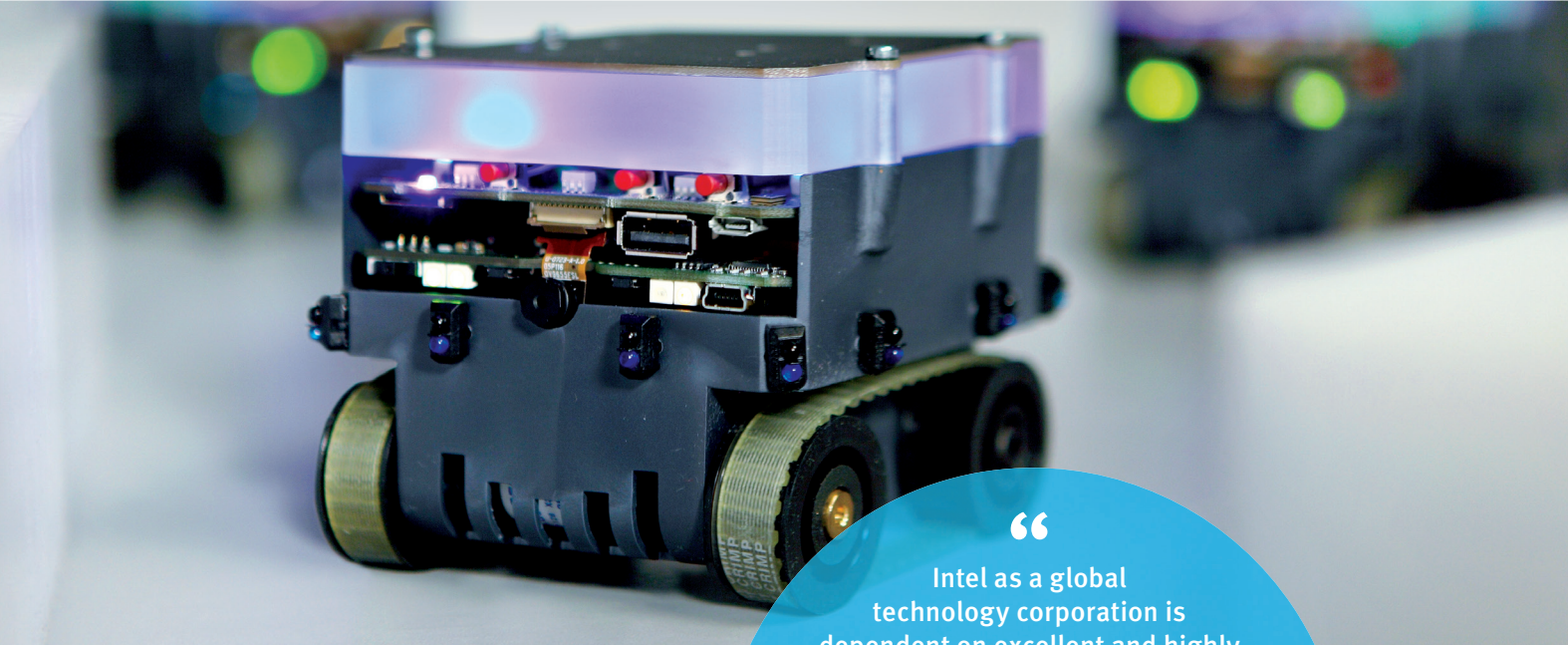
and students select one of these as their specialization area.

A core part of the Master's program is the project group that trains professional and social skills. Teams of about eight to sixteen students work together during two semesters on a challenging research-related topic. Furthermore, the Master's program includes seminars, an optional minor subject, and extracurricular studies. The final part of the program is the Master's thesis, which takes a full semester and is related to the chosen focus area.

The entry requirements are a B. Sc. in Computer Science or a closely related subject and English language proficiency. The application deadline is 31st May for starting classes with October, and 30th November for starting classes with April. The program takes 2 years (4 semesters) and is fully taught in English. Graduates obtain the degree of a Master of Science in Computer Science.



Prof. Dr. Brigitta Domik-Kinegger
Head of "Computer Graphics, Visualization and Image Processing" at the Department of Computer Science at the Paderborn University. She is also Vice-Dean at the Faculty (School) of Electrical Engineering, Computer Science and Mathematics.



“ Intel as a global technology corporation is dependent on excellent and highly motivated employees. With its study program Computer Engineering, Paderborn University offers an outstanding professional training addressing the needs of a growing industry. The internationally known study profile and the English taught master's program optimally prepare Paderborn's graduates for careers in an international corporation such as Intel. ”

MASTER OF SCIENCE IN COMPUTER ENGINEERING

Our Master's program in Computer Engineering provides graduates with the necessary in-depth understanding of modern computing technologies. The program covers the fundamentals of software and hardware with a focus on the design of computer systems and their application in technical systems.

Besides completing mandatory modules in Computer Science and Electrical Engineering, students specialize in one of the following focus areas:

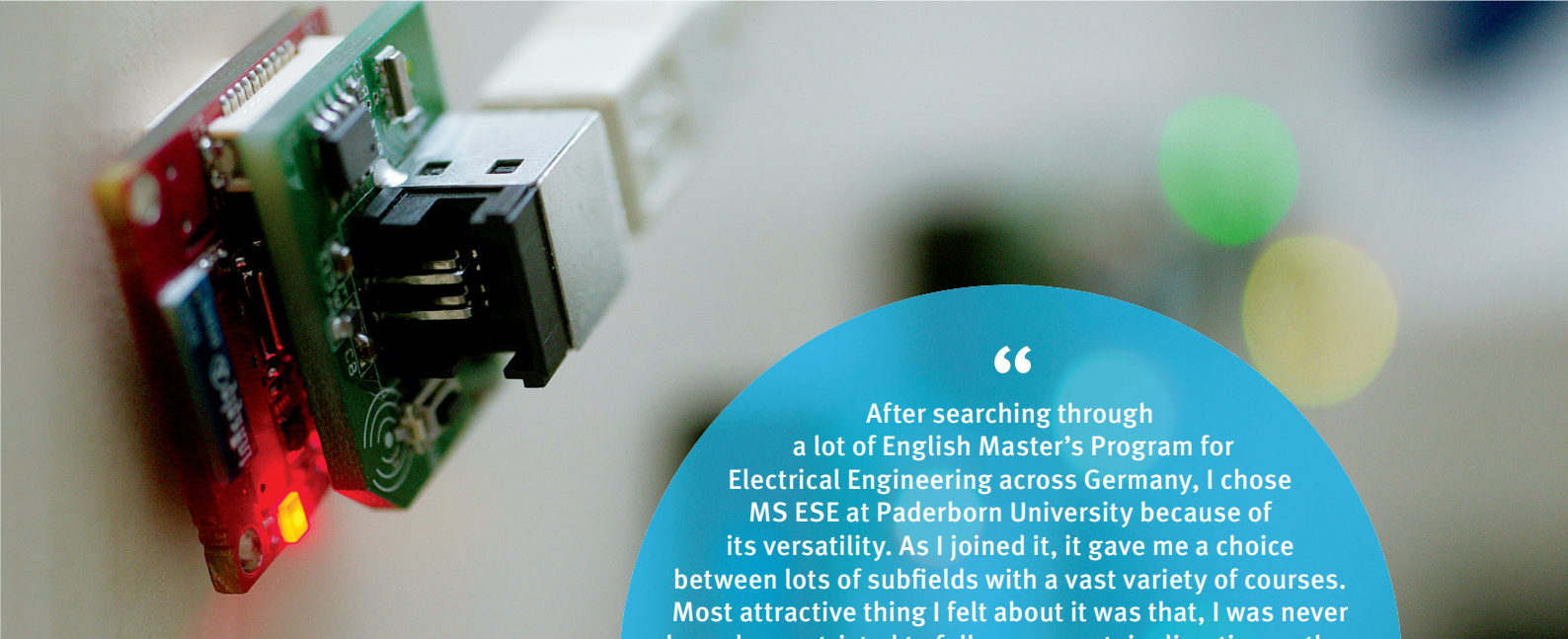
- Embedded systems
- Nano- and Microelectronics
- Computer Systems
- Communication and Networks
- Signal, Image and Speech Processing
- Control and Automation

The program also includes a two-semester project group, where teams of about six to twelve students work on an advanced research and development project. Practicing professional and social skills is an important aspect of the project group. Further modules include seminar work and the Master's thesis, which takes a full semester and is related to the chosen focus area.

The entry requirements are a B. Sc. in Computer Engineering or a related subject, English language proficiency and a GRE test. The application deadline is 31st May for starting classes with October, and 30th November for starting classes with April. The program takes 2 years (4 semesters) and is fully taught in English. Graduates obtain the degree of a Master of Science in Computer Engineering.



Christian Lamprechter
Managing Director and Country Manager
Germany and Austria – Intel GmbH



“ After searching through a lot of English Master's Program for Electrical Engineering across Germany, I chose MS ESE at Paderborn University because of its versatility. As I joined it, it gave me a choice between lots of subfields with a vast variety of courses. Most attractive thing I felt about it was that, I was never bound or restricted to follow any certain direction, rather I could always choose my specialization and domain according to my interest. Moreover, I enjoy the guidance and advanced technical knowledge of experienced and great professors as mentors. Last but not the least, the international and supportive environment here is most favorable for me, due to which I never feel as if I am an international student, plus it earned me the award for the best international student of the university. ”

MASTER OF SCIENCE IN ELECTRICAL SYSTEMS ENGINEERING

Our Master's program in Electrical Systems Engineering provides architects for electrical systems, which are needed everywhere, e.g., in telecommunications, entertainment systems, renewable energies, to name just a few. The program covers analysis, construction and evaluation of electrical systems in hard- and software.

The program offers two specializations:

- Signal and Information Processing
- Electronics and Devices

Signal and Information Processing concentrates on the computational aspects of a system's behavior, while Electronics and Devices focuses on the design of integrated circuits on the micro or nano scale and aspects of hardware imple-

mentation. Besides mandatory and elective courses the program includes a one-year project where you will develop an electrical system and learn project management on a real-world example. The courses are accompanied by general studies and a broad range of complementary labs and seminars. The final part of the program is the Master's thesis, which takes a full semester.

The entry requirements are a B. Sc. in Electrical Engineering or a related subject, English language proficiency and a GRE test. The application deadline is 31st May for starting classes in October. The program takes 2 years and is fully taught in English. Graduates obtain the degree of a Master of Science in Electrical Systems Engineering.



Azharuddin Kazi
Student and President – International Student Union, Member – Senate, Member – STUPA, Member – Examination Board MS ESE