

## Study at HPI in Germany

Study Software Systems Engineering at the joint Digital Engineering Faculty of the University of Potsdam and HPI under excellent conditions:

- HPI is among the top-ranked institutions in national rankings and the University of Potsdam is well-represented in international rankings.
- Our state-of-the-art facilities provide you with all necessary resources for studying and researching.
- HPI supports you on your career path during and after your studies.
- A wide range of recreational activities enable you to connect with other students and with companies.
- Study close to two capital cities that together belong to the largest and most diverse areas of science research in Europe.
- Study without tuition fees and with all the advantages of a privately financed institute.



### Let's connect

Phone: +49 (0)331 5509 4808  
E-Mail: studienbewerber@hpi.de

If you have any questions about studying at HPI you can find help on our information pages and student advisory service:

[www.hpi.de/studium](http://www.hpi.de/studium)  
[www.hpi.de/studienberatung](http://www.hpi.de/studienberatung)  
[www.hpi.de/bewerbung](http://www.hpi.de/bewerbung)



Want to learn more about studying at HPI?

Scan here for your virtual campus tour, upcoming events and the HPI podcast.



## Contact

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Faculty of Digital Engineering

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# Master of Science in Software Systems Engineering

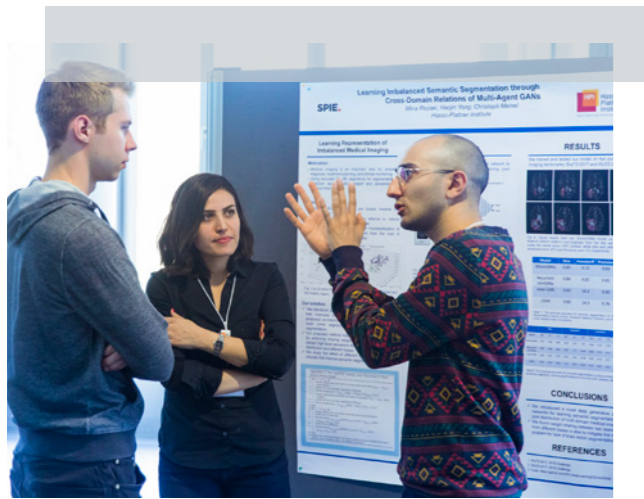
Shaping the future with the  
latest information technology



March 2022 | Photos: HPI/Kay Herschelmann, LHP/Robert Schnabel

Design IT. Create Knowledge.





## Your Master in Software Systems Engineering

The English language Master in Software Systems Engineering is the right program for those who want to deepen their knowledge in the most modern areas of computer science. Explore the innovation potential of modern technology at one of the top universities in Germany.

Close to the global metropolis of Berlin, the Hasso Plattner Institute (HPI) welcomes you to the Griebnitzsee campus in Potsdam. Equipped with state-of-the-art technology, you will explore topics such as AI, machine learning, data analytics, data engineering, software systems, online systems and interactive systems. Together with companies from business and industry, complex solutions to advance the digital transformation are already being developed in the Master's program. Participants draw from the versatile specialization areas the tools they need for innovative research or successful startup ideas. The Master in Software Systems Engineering is both science and research oriented.

## Your future after the Master's program

Studying at HPI prepares you for your career in a practical way:

### Your career in science

Intensify your research as a sought-after scientist beyond your studies. Research the technologies of the future at the HPI Research Schools branches in Cape Town, Haifa, Nanjing and Irvine.

### Found your own startup

Benefit from the offers of the HPI School of Design Thinking and the HPI School of Entrepreneurship, and turn your innovative idea into your own company.

### Your career in business

The curriculum of the master's program provides you with crucial professional skills that qualify you for management and leadership positions.



**“The master's program in Software Systems Engineering provides students with in-depth expertise in cutting-edge areas of computer science. The graduates draw the tools for innovative research work and successful start-up ideas.”**

Prof. Dr. Gerard de Melo,  
Study Program Representative and  
Head of the Artificial Intelligence  
and Intelligent Systems research group



## Everything at a Glance

### Program Overview

<b>Title</b>	Software Systems Engineering
<b>Degree</b>	Master of Science
<b>Standard length of studies</b>	4 semesters
<b>Credits</b>	120
<b>Language of instruction</b>	English (C1)
<b>Start of studies</b>	Winter semester
<b>Application deadline</b>	June

### Compulsory Modules

- Conceptual Foundations
- Data Foundations
- Analytical Foundations
- Systems Foundations
- Ethics, Law and Compliance
- Software Systems Engineering Lab

### Specialization Areas

- Software Systems
- Online and Interactive Systems
- Data-Driven Systems
- Machine Learning and Analytics
- Models and Algorithms

### Professional Skills

- Management and Leadership
- Design Thinking Basic
- Entrepreneurship and Innovation

### Master's Thesis

[www.hpi.de/software-systems](http://www.hpi.de/software-systems)