

Research labs are available to all researchers at HPI:

The Future SOC Lab

Researchers can use the “Future SOC Lab” for their research work. It has been operated in cooperation with renowned industry partners since 2010. The lab provides modern, massively parallel multi-core processors with enormous main memory capacities and specially designed software.

The Data Lab

Scientists also have access to the newly built Data Lab, which is equipped with state-of-the-art hardware and software for data-intensive research. The Data Lab provides homogeneous clusters for scalable data processing as well as large servers with heterogeneous hardware, such as accelerators and modern storage and network technologies. The Data Lab provides preconfigured software environments and the possibility for individual configuration.

Application

Please send us your application by 15 August of the respective calendar year. The positions can be taken up from October of the respective year.

You can find further information under:

<https://hpi.de/en/research/research-schools.html>

Contact

Hasso Plattner Institute
Digital Engineering Faculty
Campus Griebnitzsee | University of Potsdam
Prof.-Dr.-Helmert-Str. 2-3
14482 Potsdam | Germany
Phone: +49 (0) 331 5509-220
www.hpi.de/research-schools

Speaker of the Research School

“Service-Oriented Systems Engineering”:

Prof. Dr. Andreas Polze (andreas.polze@hpi.de)

Prof. Dr. Robert Hirschfeld (robert.hirschfeld@hpi.de)

Speaker of the Research School

“Data Science and Engineering”:

Prof. Dr. Felix Naumann (felix.naumann@hpi.de)

Prof. Dr. Tilmann Rabl (tilmann.rabl@hpi.de)

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PhD Scholarships at
Hasso Plattner Institute

HPI Research Schools

Service-Oriented Systems
Engineering & Data Science
and Engineering



The Hasso Plattner Institute (HPI) is Germany's university center of excellence for digital engineering and offers scientists and students excellent research and study conditions in an international environment. Each year, HPI awards 18 doctoral scholarships and accepts new researchers into its Research Schools.

Are you looking for a computer science doctoral scholarship that guarantees excellent research conditions? Then we look forward to receiving your application at one of the research schools at Hasso Plattner Institute (HPI) in Potsdam and benefit from:

- an intensive support model
- excellent research conditions and advanced technology

■ a renowned international research network

HPI has been supporting and promoting doctoral students with an exemplary model since 2005.

Scholarship holders are not only supervised in their own field of study, but also exchange information with professors from other disciplines in weekly seminars for doctoral students. Joint workshops are held regularly with the international branches of the HPI Research Schools at the Technion in Haifa (Israel), the University of California in Irvine (USA), the University of Cape Town (South Africa) and Nanjing University (China).

Key Content

Since October 2019, HPI has offered doctoral fellowships in two Research Schools with different focuses:

Research School "Service-Oriented Systems Engineering"

The doctoral students of the Research School focusing on service-oriented systems engineering, deal with various aspects of software systems: from the computer architecture on which the systems work, to their interfaces and ways of standardized exchange and data processing, to the user interfaces provided by the systems and, finally, the processes they support in companies.

Among the research areas of this HPI Research School are:

- Algorithmic Complexity
- Operating System Support
- Process Planning
- Security Engineering
- Service Composition
- Service-Oriented Systems in 3D Computer Graphics, Geoinformatics and Human Computer Interaction
- Software Architecture and Modelling

Research School "Data Science and Engineering"

The Research School with its focus on Data Science and Data Engineering brings together doctoral students from all areas of data-driven research and technologies, including scalable storage, stream processing, data cleansing, machine learning and deep learning, word processing, data visualization, and others. We apply our research to many different use cases in the participating interdisciplinary research groups and collaborate whenever possible.

The research areas of this

HPI Research School include:

- Data Processing: Big Data, Database Systems, Data Cleansing and Data Streams
- Algorithm Engineering: Graph Theory and Algorithmic Learning Theory
- Machine Learning: Statistical Procedures and Deep Learning
- Medical Informatics: Bioinformatics, Image Processing and Embedded Systems

