



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## Service-Oriented Systems Engineering

University of Potsdam • Potsdam

### Overview

Degree	PhD
In cooperation with	This programme is offered by the Faculty of Digital Engineering, a faculty jointly founded by the Hasso Plattner Institute (HPI) and the University of Potsdam.
Teaching language	<ul style="list-style-type: none"><li>• English</li><li>• German</li></ul>
Languages	English is the main language of instruction in the PhD and postdoctoral programme.
Programme duration	8 semesters
Beginning	Winter and summer semester
Application deadline	Applications have to be submitted by <b>1 February and 15 August</b> .
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The Hasso Plattner Institute (HPI) is Germany's university excellence centre for digital engineering. With their interdisciplinary and international structure, HPI's two research schools (Service-Oriented Systems Engineering and Data Science and Engineering) interconnect HPI's research groups as well as the research school's branches at the University of Cape Town, Technion Israel Institute of Technology, Nanjing University, and UC Irvine.</p> <p><b>Service-Oriented Systems Engineering Research School</b></p> <p>Design and implementation of service-oriented architectures impose numerous research questions from the fields of software engineering, system analysis and modelling, adaptability, application integration, and IT security.</p> <p>Service-Oriented Systems Engineering represents a symbiosis of best practices in object orientation, component-based development, distributed computing, and business process management. It provides an integration of business and IT concerns.</p>

## Course Details

Course organisation	<p>The <a href="#">professors</a> at Hasso Plattner Institute and their research groups are the pillars of support for the HPI research schools. With their interdisciplinary structure, the research schools connect the research groups of Hasso Plattner Institute and provide a close and fruitful interdisciplinary collaboration.</p> <p>Please have a closer look at our research groups and their projects on our <a href="#">website</a>.</p> <p>» <a href="#">PDF Download</a></p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"><li>• Integrated study abroad unit(s)</li><li>• Language training provided</li><li>• Projects with partners in Germany and abroad</li><li>• Study trips</li></ul>
Integrated study abroad unit(s)	You can attend workshops at the branches of the graduate schools in Cape Town, Haifa, Nanjing, and Irvine.
Teaching/work obligations or opportunities	Yes
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	Yes

## Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	No tuition is charged for studying at the University of Potsdam (with the exception of a few continuing education courses). There is only an administrative fee of currently 316 EUR. This semester contribution includes a semester ticket entitling you to free use of public transport all over Brandenburg and Berlin.
Costs of living	Living in Germany is rather cheap compared to other countries in Northern and Western Europe. Monthly living expenditures of students at the University of Potsdam vary between 870 and 1,200 EUR, largely depending on accommodation. A more detailed list of the average monthly expenditures of our students can be found <a href="#">here</a> .
Funding opportunities within the university	Yes
Description of the above-mentioned funding	The HPI Service-Oriented Systems Engineering Research School annually grants 18 full <a href="#">scholarships</a> , which are not subject to income tax, to talented young researchers.

## Requirements / Registration

### Academic admission requirements

We kindly ask you to hand in the following application documents via e-mail:

1. Curriculum vitae and copies of certificates/transcripts
2. Brief research proposal
3. Work samples/copies of relevant scientific work (e.g. Master's thesis)
4. Letter of recommendation

### Language requirements

Even though no specific language certificate is required, we expect you to have a decent level of English language skills in order to be able to conduct your research and communicate with supervisors, fellow students, and project partners.

### Application deadline

Applications have to be submitted by **1 February and 15 August**.

### Submit application to

#### [Application information](#)

Please e-mail your questions and application for the Service-Oriented Systems Engineering programme to [phd-application-service-oriented-computing@hpi.de](mailto:phd-application-service-oriented-computing@hpi.de).

## Services

### Possibility of finding part-time employment

Job opportunities for students alongside their studies are numerous. Depending on personal and professional skills, students can find jobs in the service sector (e.g. in restaurants, supermarkets, cinemas, museums, theatres, etc.) or work as student assistants at the University of Potsdam or at one of the many non-university research institutions located in the area. The German capital, Berlin, is located just around the corner, and students can also find jobs there. Please see [this website](#) for further information.

### Accommodation

There are several student dormitories in Potsdam. These are administered exclusively by Potsdam's Association for Student Affairs ("Studentenwerk Potsdam"). You can apply for a room in one of these dormitories if you are under the age of 30. If you are a Master's student, you can only apply if the degree at the University of Potsdam is your first Master's programme. Additionally, there are also a few private dormitories in Potsdam, to which these conditions do not apply. However, many students prefer to find an apartment in Potsdam or Berlin, which they often share with fellow students. The housing market is tight, so please start looking for an accommodation as early as possible.

For information on how to register for a dorm room or find accommodation elsewhere, please click [this link](#).

### Structured research and supervision

Yes

### Research training / discussion

Yes

### Career advisory service

The Career Service of the University of Potsdam supports students and graduates who want to actively shape their careers. The aim is to ensure comprehensive career orientation and to provide opportunities for the development of professional skills. The Career Service offers workshops, seminars, and individual counselling. There are information pages on a wide range of occupational fields as well as a database of internships and jobs. Many of the services are also available in English.

### Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Specialist counselling
- Visa matters

## Contact

### University of Potsdam

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✉ [phd-application-service-oriented-computing@hpi.de](mailto:phd-application-service-oriented-computing@hpi.de)

🌐 Course website: <https://hpi.de/en/research/cooperations-partners/research-schools/hpi-sse.html>

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✉ [Email](#)

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📺 <https://www.youtube.com/user/hpitv1>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
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## Editor

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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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