inf368 - Aktuelle Themen aus dem Gebiet "Mikrorobotik und Regelungstechnik" I

<table>
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<tr>
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<th>Aktuelle Themen aus dem Gebiet &quot;Mikrorobotik und Regelungstechnik&quot; I</th>
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<td>Credit points</td>
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<td>• Master's Programme Computing Science &gt; Technische Informatik</td>
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<td>• Master's Programme Embedded Systems and Microrobotics &gt; Akzentsetzungsmodule</td>
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<tr>
<td></td>
<td>• Andreas Hein</td>
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<td></td>
<td>• Sergej Fatikow</td>
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<td>• Die im Modul Lehrenden</td>
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<tr>
<td>Authorized examiners</td>
<td>• Andreas Hein</td>
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<td>• Sergej Fatikow</td>
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Entry requirements

Skills to be acquired in this module

This module integrates current developments in the field in adequate study courses.

Professional competences

The students:

- define and contrast a computer science part, in which they are specialised, in detail or evaluate computer science in general
- recognise and evaluate applied techniques and methods of their subject and are aware of their limits
- identify, structure and solve problems/tasks, also in new or developing subject areas
- apply state of the art and innovative methods to solve problems, if necessary from other disciplines
- are aware of the current limits and contribute to the development of computer science research and technology
- discuss and evaluate recent computer science developments

Methodological competences

The students:

- examine tasks with technical and research literature, write an academic article and present their solutions academically
- evaluate problems/tasks, including new or developing subject areas of their discipline and apply computer science methods for solutions and research
- schedule time processes and resources

Social competences

The students:

- communicate with users and experts convincingly

Self-competences

The students:

- pursue the overall and special computer science development critically
- develop and reflect self-developed hypotheses to theories independently

Module contents

See assigned course description

Reader's advisory

As announced in course

Links

Language of instruction

German

Duration (semesters)

1 Semester
<table>
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<tr>
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<td>S or V</td>
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<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Presentation or oral exam</td>
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