inf367 - Spezielle Themen aus dem Gebiet "Mikrorobotik und Regelungstechnik" II

Module label: Spezielle Themen aus dem Gebiet "Mikrorobotik und Regelungstechnik" II
Module code: inf367
Credit points: 6.0 KP
Workload: 180 h
Used in course of study:
- Master's Programme Computing Science > Technische Informatik
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmodule
Contact person:
Module responsibility:
- Andreas Hein
- Sergei Fatikow
- Die im Modul Lehrenden
Authorized examiners:
- Andreas Hein
- Sergei Fatikow
- Die im Modul Lehrenden

Entry requirements:
Skills to be acquired in this module:

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:
- evaluate and apply tools, technology and methods sophisticatedly
- combine new and original approaches and methods creatively
- evaluate problems/tasks, including new or developing subject areas of their discipline and apply computer science methods for solutions and research

Social competences
The students:
- support team process by their abilities

Self-competences
The students:
- pursue the overall and special computer science development critically
- implement innovative professional activities effectively and independently

Module contents:
See assigned course description
Reader's advisory:
As announced in course
Links:
Language of instruction: German
Duration (semesters): 1 Semester
Module frequency: unregelmäßig
<table>
<thead>
<tr>
<th><strong>Module capacity</strong></th>
<th>unlimited</th>
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<tbody>
<tr>
<td><strong>Modullevel</strong></td>
<td>AS (Akzentsetzung / Accentuation)</td>
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<td><strong>Modulart</strong></td>
<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
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<td><strong>Lern-/Lehrform / Type of program</strong></td>
<td>2 courses out of V, S, Ü, P, PR</td>
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<td><strong>Vorkenntnisse / Previous knowledge</strong></td>
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<tr>
<th><strong>Examination</strong></th>
<th><strong>Time of examination</strong></th>
<th><strong>Type of examination</strong></th>
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<tbody>
<tr>
<td><strong>Final exam of module</strong></td>
<td>The exam period will be announced during the course</td>
<td>Portfolio or presentation or oral exam</td>
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<th><strong>Course type</strong></th>
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<tr>
<td><strong>SWS</strong></td>
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<tr>
<td><strong>Frequency</strong></td>
<td>SuSe or WiSe</td>
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<td><strong>Workload attendance</strong></td>
<td>28 h</td>
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