inf369 - Current Topics in 'Microrobotics and Control Engineering' II

Module label Current Topics in 'Microrobotics and Control Engineering' II
Module code inf369
Credit points 3.0 KP
Workload 90 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
- Die im Modul Lehrenden
Authorized examiners
- Andreas Hein
- Die im Modul Lehrenden

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
Module frequency unregelmäßig
Module capacity unlimited
Modullevel AS (Akzentsetzung / Accentuation)
Modulart je nach Studiengang Pflicht oder Wahlpflicht
<table>
<thead>
<tr>
<th>Lern-/Lehrform / Type of program</th>
<th>S or V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vorkenntnisse / Previous knowledge</td>
<td></td>
</tr>
<tr>
<td>Examination</td>
<td></td>
</tr>
<tr>
<td>Time of examination</td>
<td></td>
</tr>
<tr>
<td>Final exam of module</td>
<td></td>
</tr>
<tr>
<td>Type of examination</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>At the end of the lecture period</th>
<th>Presentation or oral exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course type</td>
<td>Course or seminar</td>
<td></td>
</tr>
<tr>
<td>SWS</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>SuSe or WiSe</td>
<td></td>
</tr>
<tr>
<td>Workload attendance</td>
<td>28 h</td>
<td></td>
</tr>
</tbody>
</table>