inf356 - Current Topics in 'Hybrid Systems' I

Module label: Current Topics in 'Hybrid Systems' I
Module code: inf356
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
- Martin Georg Fränzle

Authorized examiners:
- Andreas Hein
- Martin Georg Fränzle

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

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:

- 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:

Languages of instruction:
German, English

Duration (semesters):
1 Semester

Module frequency:
unregelmäßig

Module capacity:
unlimited
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<th>Modullevel</th>
<th>AS (Akzentsetzung / Accentuation)</th>
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<td>Modulart</td>
<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
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<td>Lern-/Lehrform / Type of program</td>
<td>S or V</td>
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<td>Vorkenntnisse / Previous knowledge</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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