inf375 - Special Topics in 'Automotive' II

Module name: Special Topics in 'Automotive' II

Module code: inf375

ECTS credit points: 6.0 KP

Workload: 180 h

Used in degree programmes:
- Master's Programme Computing Science > Mastermodule
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmodul

Contact person:
- module responsibility
  - Andreas Hein
  - Die im Modul Lehrenden
- authorized examiners
  - Andreas Hein
  - Die im Modul Lehrenden

Prerequisites

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:

  - 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
<table>
<thead>
<tr>
<th><strong>Module contents</strong></th>
<th>See assigned course description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended reading</strong></td>
<td>As announced in course</td>
</tr>
<tr>
<td><strong>Language of instruction</strong></td>
<td>German</td>
</tr>
<tr>
<td><strong>Duration (semesters)</strong></td>
<td>1 semester</td>
</tr>
<tr>
<td><strong>Module frequency</strong></td>
<td>unregelmäßig</td>
</tr>
<tr>
<td><strong>Module capacity</strong></td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>Modullevel</strong></td>
<td>AS (Akzentsetzung / Accentuation)</td>
</tr>
<tr>
<td><strong>Modulart</strong></td>
<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
</tr>
<tr>
<td><strong>Lern-/Lehrform / Type of program</strong></td>
<td>2 courses out of V, S, Ü, P, PR</td>
</tr>
<tr>
<td><strong>Vorkenntnisse / Previous knowledge</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Examination</strong></td>
<td><strong>Examination periods</strong></td>
</tr>
<tr>
<td><strong>Final exam of module</strong></td>
<td>The exam period will be announced during the course</td>
</tr>
<tr>
<td><strong>Course type</strong></td>
<td>Course selection</td>
</tr>
<tr>
<td><strong>SWS</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Workload attendance</strong></td>
<td>28 h</td>
</tr>
</tbody>
</table>