inf481 - Special Topics in 'Parallel Systems' II

Module name: Special Topics in 'Parallel Systems' II

Module code: inf481

ECTS credit points: 6.0 KP

Workload: 180 h

Used in degree programmes:
- Master's Programme Computing Science > Mastermodule

Contact person:
- Module responsibility: Eike Best
- Die im Modul Lehrenden
- Authorized examiners:
  - Eike Best
  - 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
| **Module contents** | See assigned course description, e.g. „Automatentheorie und Logik“, „Modelchecking“, „Effiziente Algorithmen“ und „Theorie und Spiele“.

**Recommended reading** | As announced in course

**Links** | 

**Language of instruction** | German

**Duration (semesters)** | 1 semester

**Module frequency** | unregelmäßig

**Module capacity** | Unlimited

**Modullevel** | AC (Aufbaucurriculum / Composition)

**Modulart** | je nach Studiengang Pflicht oder Wahlpflicht

**Lern-/Lehrform / Type of program** | 2 courses out of V, S, Ü, P, PR

**Vorkenntnisse / Previous knowledge** | 

**Examination** | 

| **Examination periods** | At the end of the lecture period |

| **Type of examination** | Portfolio or presentation or oral exam

| **Course type** | Course selection

| **SWS** | 2

| **Workload attendance** | 28 h