Lectures belonging to the specialization area Cyber-Physical Systems / Vorlesungen zugehörig zur Spezialisierungsrichtung Cyber-Physical Systems

Stand Juli 2022 / As of July 2022

Advanced Lectures | Weiterführende Vorlesungen:

- Rechnerarchitektur / Computer Architecture
- Softwaretechnik / Software Engineering

Specialization Courses | Spezialvorlesungen:

- Advanced Algorithms
- Algorithms for Wireless Communication
- Automated Machine Learning
- Blockchain and Cryptocurrencies
- Compiler Construction
- Cyber-Physical Systems – Discrete Models
- Cyber-Physical Systems – Program Verification
- Debugging and Fuzzing
- Einführung in Embedded Systems / Introduction to Embedded Systems
- Formale Methoden für Java / Formal Methods for Java
- Funktionale Programmierung / Functional Programming
- **Hardware Security and Trust**
- Modellbildung und Systemidentifikation / Modelling and System Identification
- Numerical Optimization
- Numerical Optimal Control in Science and Engineering
- Quantitative Verifikation / Quantitative Verification
- **Real-Time Operating Systems and Worst-Case Execution Times**
- State Space Control Systems
- Test und Zuverlässigkeit / Test and Reliability
- Verteilte Systeme / Distributed Systems

(July 8th: marked courses: It is currently unclear whether these courses will still be offered in the future. The professor responsible has left the university and his successor has not yet commented on his plans for elective courses.)