

Real-Time Architectures 2003/2004

Organization

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Organization

- Lectures, weekly
 - lecturers: Lukkien, van der Stok, Bril, Fohler
- Exercises, weekly, optional
- Final exam
- Practical
 - one week work, article or programming
 - no grade, necessary for passing
 - report
 - groups: size 2
 - known after week 6



Report


- Problem statement
- Architecture
 - relate to lectures (see slides)
- Design
 - discussion, alternatives
- System description
 - solutions, literature ref.
 - relevant experimental measurements



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Programme


- Introduction real-time systems
 - overview, specification
- Scheduling
 - reference model, policies, analysis
 - multimedia and budgets
- Time triggered and event triggered architectures
- Mapping onto system software
 - RTOS, kernels, programming models
- Real-time networking

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Literature

- Books and articles published via website
- Slides
- Note: no single book recommended.

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