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
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

Literature

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