Research Planning, 3p
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Hans Hansson
Mälardalen University

MRTC
MÄLARDALEN REAL-TIME RESEARCH CENTRE

RPC WS 2

• Timing:
  – Today: 12.30 – 18.00 (possibly slightly later if we need the time)
  – Tomorrow: 8.30 – 12.00
• Presentations and discussions of Assignment 2:
  – Ammi (12.45 – 13.15)
  – Anders (13.15 – 13.45)
  – Annita (14.00 – 14.30)
  – Gunnar (14.30 – 15.00)
  – Martin (16.30 – 17.00)
  – Jianlin (17.00 – 17.30)
• Distinguished guests:
  – Henrik Lönn, VTECH; PhD from Chalmers (15.30 today)
  – Jakob Axelsson, Volvo PV/MdH; PhD from LiTH (8.30 tomorrow)
  – Per Stenström, Prof. Computer Arch. at Chalmers (10 tomorrow)
• WS 3 – time, place and content
• Assignment 3 (presentation/discussion)
A PhD/Lic thesis

- Generic structure (not always in this order and structuring into sections/chapters varies)
  - Motivation (why?)
  - Problem definition (what?)
  - Contributions (what’s new?)
  - Related work (what’s already done?)
  - Approach/Methodology (how?)
  - Organization of thesis (how presented?)
- YOUR WORK
  - Conclusions (this is what I think I’ve done)
  - Future work (this is what I didn’t have time to do)
- References

Overview of course

1. Assignment 1
   - You know all about it; presentations and discussions expected.
2. Assignment 2
   - Research area overview (state of art and practice).
   - Report + review of reports
3. Assignment 3
   - Research overview and plan
   - Report + review of reports
4. Guest lectures
   - My experiences (a former PhD give his/her story)
   - My research (a senior researcher presents a research area)
   - Specific topics (if needed)
Assignment 2

- Updated version of assignment 1 (considering today’s discussions etc.)
- Research overview
  - Current research issues and hot topics
  - State of practice (key industrial players, type of “technology” available, etc.)
  - Central literature, including seminal papers
  - Key conferences and leading research groups
  - Relation to and relevance for own research
  - References

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- **WS 3 – time, place and content**
- **Assignment 3 (presentation/discussion)**
Planning the course

• Workshop 1 (Today)
• Workshop 2 (lunch-lunch)
  – Dates: October 5-6 (Ericsson/Mölndal)
    (Assignment deadline: Sept 28)
• Workshop 3 (lunch-lunch)
  – Dates: November 9-10 (MdH/Västerås)
    (Assignment deadline Oct 29)

Assignment 3

• an updated version of assignment 2 (approx 10 pages)
• a plan of the own research activities, including
  – Hypothesis
  – Concrete research questions
  – Concrete expected results
  – Activities, including planned publications and co-
    operations, and conference trips etc.
  – Time plan
  – Milestones
Questions/Discussion

• About assignment(s)
• About course
• Special requests
  – Innovative process
  – Lectures by guests etc.