Seminar in Computer Science: Formal Verification
http://fmv.jku.at/sem/index.html

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Overview

- Objectives:
  - Write scientific paper
  - Give scientific talk

State if you want to use this seminar for your Bachelor's thesis when selecting your topic.
Workflow

- topic selection
- presentation of the first concept
- submission of the paper
- submission of the slides
- oral presentation

Groups of 2 students are possible.
Important Dates

Personal registration (optional)  12.10.2010 (optional)
Registration & selection of a topic:  15.10.2010 (per email)
Submission of the first concept:  28.10.2010 (per email)
Presentation of the first concept:  03.11.2010 - 05.11.2010 (personal)
Submission of paper:  09.01.2011 (per email)
Feedback for paper:  11.01.2011 - 13.01.2011 (personal)
Submission of final paper:  23.01.2011 (per email)
Submission of slides:  23.01.2011 (per email)
Oral presentation:  tba (all participants)
Concept

- abstract
- structure of your paper, i.e., table of content
- short outline of each section
- references
  - provided references
  - 2 additional references per person
Paper

- 15 – 20 pages per person
- style: Springer LNCS (see course homepage)
- language: English preferred
- cite other sources correctly
Presentation

- compulsory attendance
- last week of January/first week of February
- each participant gives a talk of max. 20 minutes
- discussion/questions
Grading

- quality of the paper
- quality of the slides
- quality of the presentation
- participation in discussion
Topics

- The semantics of semantics in the context of UML
- Semantics for UML Diagrams
- Lack of clarity in the semantics of UML
- Formalization of model evolution
- Checking UML models
- Correctness of refactorings
- SAT/SMT/QBF Solvers
Next Steps

- Register for a topic
- You get a few references where you can start from
- Prepare the concept of your work
- Submit your concept via email

Questions?