

(Master) Seminar 2

Computational Logic

Institute of Computer Science
University of Innsbruck

SS 2011



Overview

- Organisation
- Topics
- Schedule

Important Information

- LVA 703525-4 master seminar 2
- LVA 703923 seminar 2
- SE 2 – 5 ECTS
- <http://cl-informatik.uibk.ac.at/teaching/ss11/ms2/>
- online registration was required until 23:59 on March 4

Consultation Hours

Aart Middeldorp	3M07	Monday 11:30–13:00
Georg Moser	3M09	Wednesday 13:00–15:00
Christian Sternagel	3N01	Tuesday 12:00–14:00
René Thiemann	3N01	Monday 13:00–15:00
Harald Zankl	3M03	Thursday 14:15–15:45

Grading

- for master students:
presentation, seminar report, active participation
- for PhD students:
two presentations (formal and informal), very active participation

Presentations

- Wednesday 10:15–12:00 in SR 12
- 30 minutes per presentation, excluding questions

Tasks

- for **everyone**:
 - 1 submit title of presentation(s) and accompanying literature
 - at most two papers per presentation
 - using exactly same HTML format as
`http://cl-informatik.uibk.ac.at/teaching/ss11/ms2/topics.php`
 - strict deadline: **10 am on Friday before seminar**
 - 2 submit slides (immediately after presentation)
 - 3 read abstract, introduction and conclusion of each paper
- for **master students**:
 - 4 submit seminar report before **10 am on 28 July 2011**
- for **PhD students**:
 - 4 chair seminar (on rotating basis)

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Topics

- Automatic Proofs in Equational Logic (2)
- Decidable Problems in Rewriting
- Deciding the Complexity of Programs Automatically
- First-Order Theorem Prover with Equality
- Higher-Order Recursive Path Order
- Local Termination
- Matchbounds
- Non-Linear Arithmetic
- SMT modulo MAX
- Termination of Context-Sensitive Rewriting
- ...

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- March 23 René Thiemann Harald Zankl
- April 6 Andreas Schnabl Martin Avanzini
- April 13 Friedrich Neurauter Georg Moser
- May 4 Christian Sternagel Sarah Winkler
- May 18 Bertram Felgenhauer Friedrich Neurauter
- May 25 Simon Legner Aart Middeldorp
- June 8 Julian Nagele Thomas Sternagel
- June 15 Martin Avanzini Bertram Felgenhauer
- June 29 Sarah Winkler Andreas Schnabl