

Course topics and lecturers

1 Introduction to Term Rewriting

Aart Middeldorp - Univ. of Innsbruck, Austria

Femke van Raamsdonk - VU Amsterdam, The Netherlands

(basic track, 10 lecture sessions, 4 exercise sessions, 1 practical session, exam)

2 Applications of Rewriting in Design and Analysis of Algorithms

Ashish Tiwari - SRI International, Menlo Park, CA, USA

(both tracks, 4 lecture sessions)

3 Tree Automata for Rewriting

Ralf Treinen - PPS, Univ. Paris-Diderot, France

(advanced track, 3 lecture sessions)

4 Termination of programs

Peter Schneider-Kamp - Univ. of Southern Denmark, Odense, Denmark

(advanced track, 3 lecture sessions)

5 Applications of Sat Solving to term rewriting

Hans Zantema - Eindhoven Univ. of Technology and Radboud Univ. Nijmegen, The Netherlands

(advanced track, 2 sessions, mixed theoretical and practical)

6 Formal verification in the theory and practice of rewriting (Coq)

Adam Koprowski - R&D MLstate, Paris, France

(advanced track, 4 sessions, mixed theoretical and practical)

7 Complexity analysis of term rewrite systems

Georg Moser - Univ. of Innsbruck, Austria

(advanced track, 2 lecture sessions)

8 Productivity

Dimitri Hendriks, Joerg Endrulis - VU Amsterdam, The Netherlands

Clemens Grabmayer - Utrecht Univ., The Netherlands

(advanced track, 2 lecture sessions)

Daily schedule:

Session 1: 9:00 - 10:30

Session 2: 11:00 - 12:30

Session 3: 13:45 - 15:15

Session 4: 15:45 - 17:45

NB: Slot 1,2,3 are lecture sessions, an hour and a half each. Slot 4 is slightly longer, two hours, also accommodating practical work, for which students are expected to bring their own laptop!