

# Proseminar Algorithms and Tools for Verification

## Introductory Meeting

Erika Ábrahám, Xin Chen, Florian Corzilius, Nils Jansen, Gereon Kremer, Ulrich Loup, Johanna Nellen, Stefan Schupp

Theory of Hybrid Systems  
Informatik 2

WS 13/14

## Goals of this proseminar

- Independent elaboration of a topic
- Structured scientific working
- Development of a short paper
- A good talk addressing the other students
- Literature research
- $\text{\LaTeX}$  skills

## Paper

- 6 pages
- Font size 12pt
- Text begins on titlepage
- No index of contents
- Spell checker
- Paper has to be written in  $\text{\LaTeX}$

## Talk

- 20 minutes
- Talk is for other students
- $\text{\LaTeX}$ -Beamer

- Fix dates for
  - Introduction to  $\text{\LaTeX}$
  - Introduction to "How to give a talk"
- SVN-account for  $\text{\LaTeX}$ -templates and personal files

# Important Dates

21.10.2013	Contact supervisor
11.11.2013	Structure of paper
09.12.2013	Hand in paper
06.01.2014	Final paper
20.01.2014	Hand in slides
30.01.2014	Final slides
01.-07.02.2014	Presentation

topic, student, *supervisor*

- 1 Ordered Binary Decision Diagrams (OBDDs), Daniel Schruff, *Ábrahám*
- 2 Timed Automata, Fabian Heimbürger, *Chen*
- 3 Hybrid Automata, Marvin Kuhl, *Nellen*
- 4 State Representation for Hybrid Systems, Franke Philipp, *Schupp*
- 5 SAT Solving, Julius Nehring, *Kremer*
- 6 SAT Encoding, Benedikt Scholtes, *Loup*
- 7 Craig Interpolants, Matthias Voit, *Corzilius*