

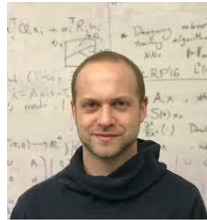
# Research Projects in Software Science

Frits Vaandrager

Software Science Group

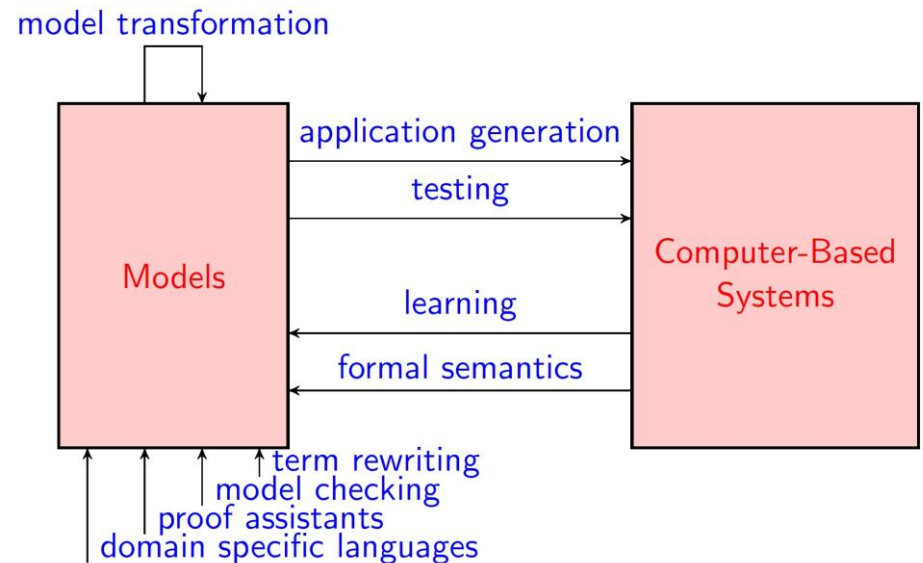
Institute for Computing and Information Sciences

# Software Science Group



# Our Vision & Mission

- Ensuring that software is correct and secure is both a major scientific challenge and an enterprise with enormous societal relevance
- Modelling is an essential part of many scientific and engineering disciplines. Our group studies (mathematical) models for the design and analysis of software.
- We find it important (and inspiring!) to cover the full spectrum from theory to applications in a single group. Some of us focus on applications and collaborate with industry, others focus on software tools, and a few just do theory. Our goal is to have chains of collaboration all the way from theory to practical application.



# Bachelor Thesis in Software Science

A good option when you like programming, algorithms & datastructures, program correctness, theory (automata, type systems, semantics,..), new devices lab and/or software engineering.

Emphasis can be on programming, theory, algorithm design, literature study, empirical/experimental work, building prototypes, industrial applications,..

You can do your bachelor thesis within the group, at a company, or at some other university of research institute AoE.

How to find a good project:

1. Select a topic from our wiki <http://www.sws.cs.ru.nl/Teaching> (more than 100 project ideas listed!!!)
2. Or propose your own topic
3. Discuss your ideas with staff members

# Our Industrial Partners

- ASML
- Philips Healthcare
- Canon Production Printing
- Nexperia
- Alfalval
- Rolsch
- TomTom
- Thermo Fischer
- Vanderlande
- SpronQ
- ADLink
- AKKA
- Axini
- ICT
- InTraffic
- Nederlandse Spoorwegen
- Malvern Panalytical
- Sogeti
- Thales
- TOPIC Embedded Systems
- TOP Software Technology
- ...

# Our Academic Network



We will be happy to help you to arrange an internship at any place on earth where serious software science research is being carried out!