

PMA:

Presis modellering og analyse

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Goal, focus and methods

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Goal: software quality assurance

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focus: what?

- open, object-oriented distributed systems
- internet-based services
- wireless sensor networks
- long-lived, evolutionary systems


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focus: **what?**

- open, object-oriented distributed systems
- internet-based services
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methods: **How?**


- languages for modeling, design, and programming
- theory \longleftrightarrow practice
- tools for analysis, testing and quality assurance of software
- innovative language designs
- framework: Maude and rewriting logic






**COMPUTER
SCIENCE**

PRECISE MODELING AND ANALYSIS





activities

creol

software families

wireless sensor networks

reconfigurable systems

maude

topics

open distributed systems

executable modeling

concurrency

specification

object orientation

software quality

real time systems

formal methods

formal analysis

tool support

partner universities

Univ. of Illinois at Urbana-Champaign
USA

Univ. of Leiden
Netherlands

CWI
Netherlands

SRI International
USA

Chalmers Univ.
Sweden


Aarhus Univ.
Denmark



Univ. of Kiel
Germany

Univ. of Kaiserslautern
Germany

UNU-IIST Macao
China

PROGRAMMING LANGUAGE



www.ifi.uio.no/pma

- a number of **national** and **international** research projects
- cooperation with

*Sweden, USA, Germany, France, Spain,
Macau, the Netherlands, Malta, Denmark,
Estonia ...*

⇒ opportunities for exchange + international connections

In a nutshell

- web page: `www.ifi.uio.no/pma`
- we work (still) in **Forskningsparken**
- **come tomorrow:** “Orienteringsmøte PMA”
 - where: Seminarrom 3B,
 - when: **10:45**