Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

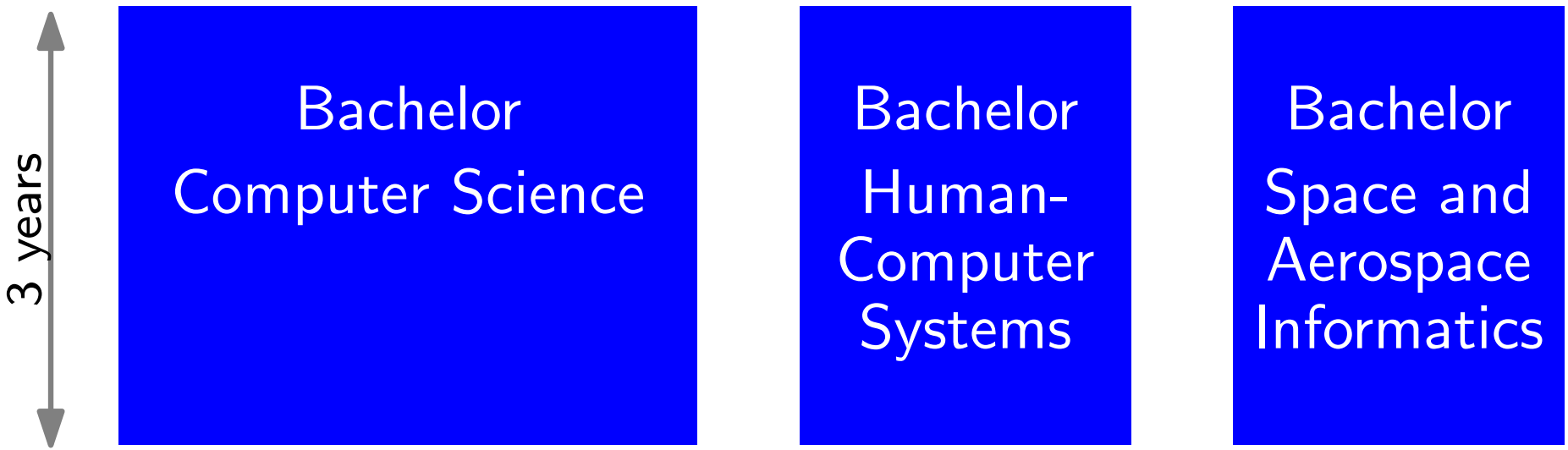
Institut für Informatik

The Institute of Computer Science at the University of Würzburg

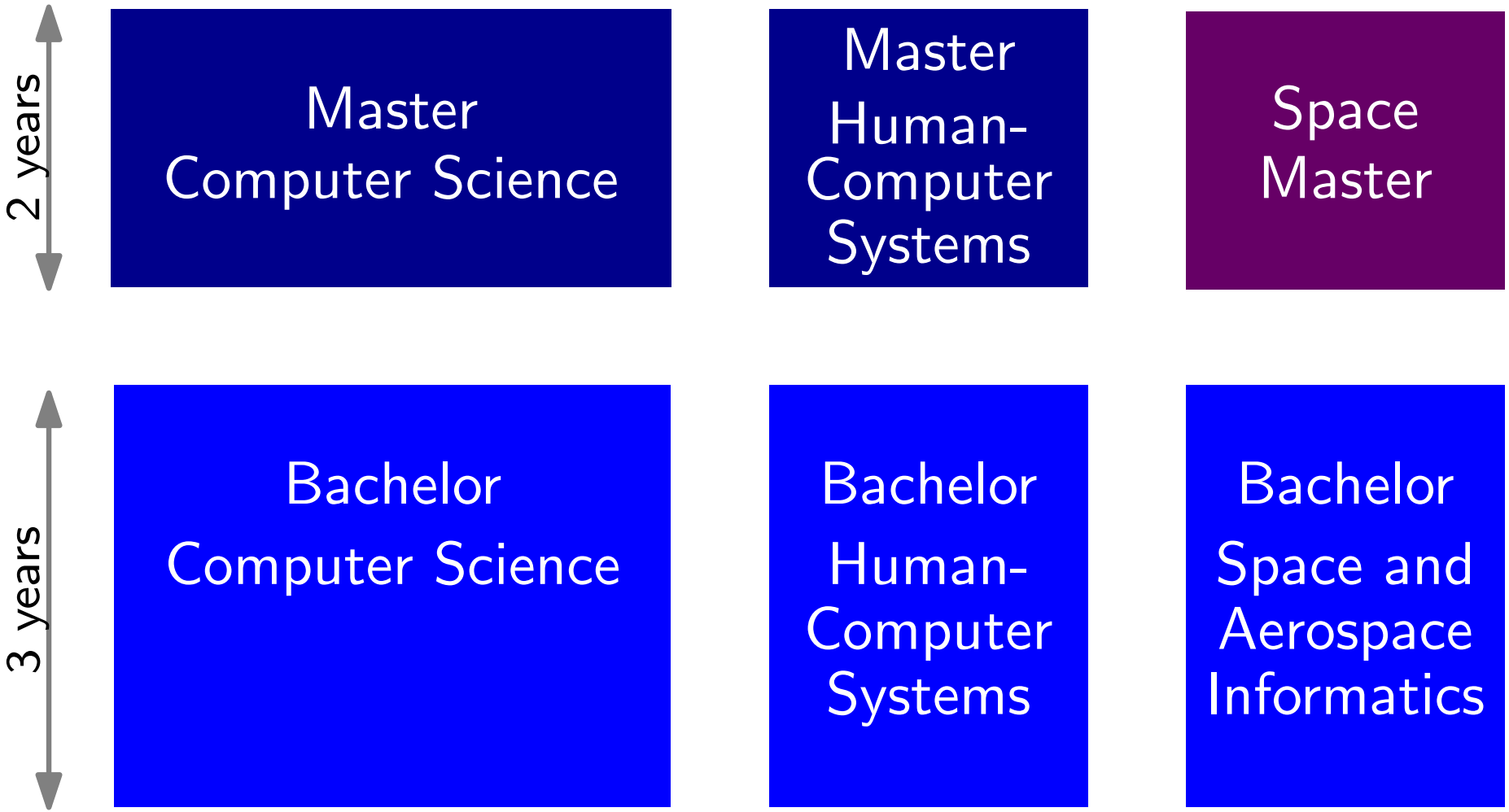
The Institute in Numbers

- 8 chairs and 16 professors
- roughly 150 first-year students per year
- approx. 40 PhD students (at any time)
- Erasmus contacts to several other European universities
- Two Associated Research Centers:
  ARC – Adaptive Robotics Center
  IRC – Internet Research Center
- 3 Bachelor and 3 Master study programs

Our Bachelor and Master Study Programs



Our Bachelor and Master Study Programs



Our Bachelor and Master Study Programs

Master Computer Science

Master Human-Computer Systems

Space Master

Bachelor Computer Science

Bachelor Human-Computer Systems

Bachelor Space and Aerospace Informatics

New B.Sc. study program (starting fall 2016):

Our Bachelor and Master Study Programs

Master Computer Science

Master Human-Computer Systems

Space Master

Bachelor Computer Science

Bachelor Human-Computer Systems

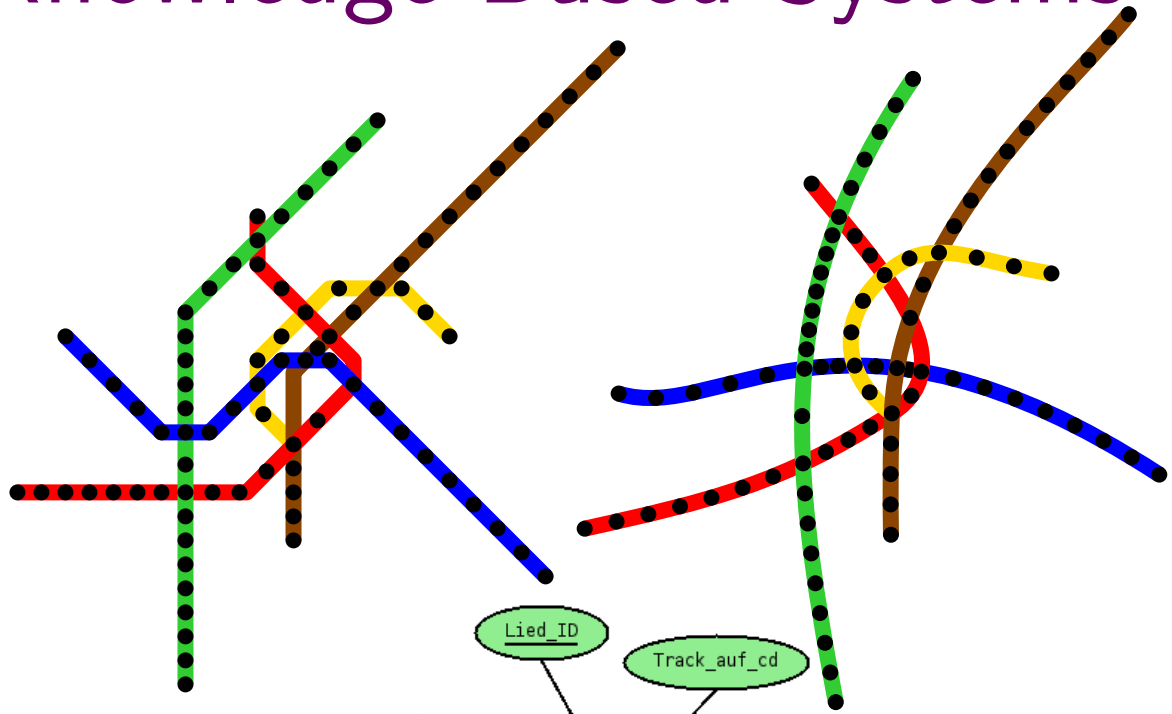
Bachelor Space and Aerospace Informatics

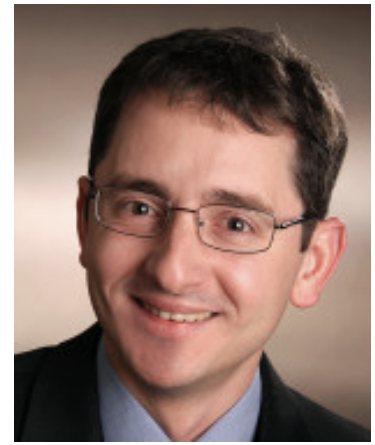
New B.Sc. study program (starting fall 2016):

– Games Engineering –

Chair I: Algorithms, Complexity and Knowledge-Based Systems

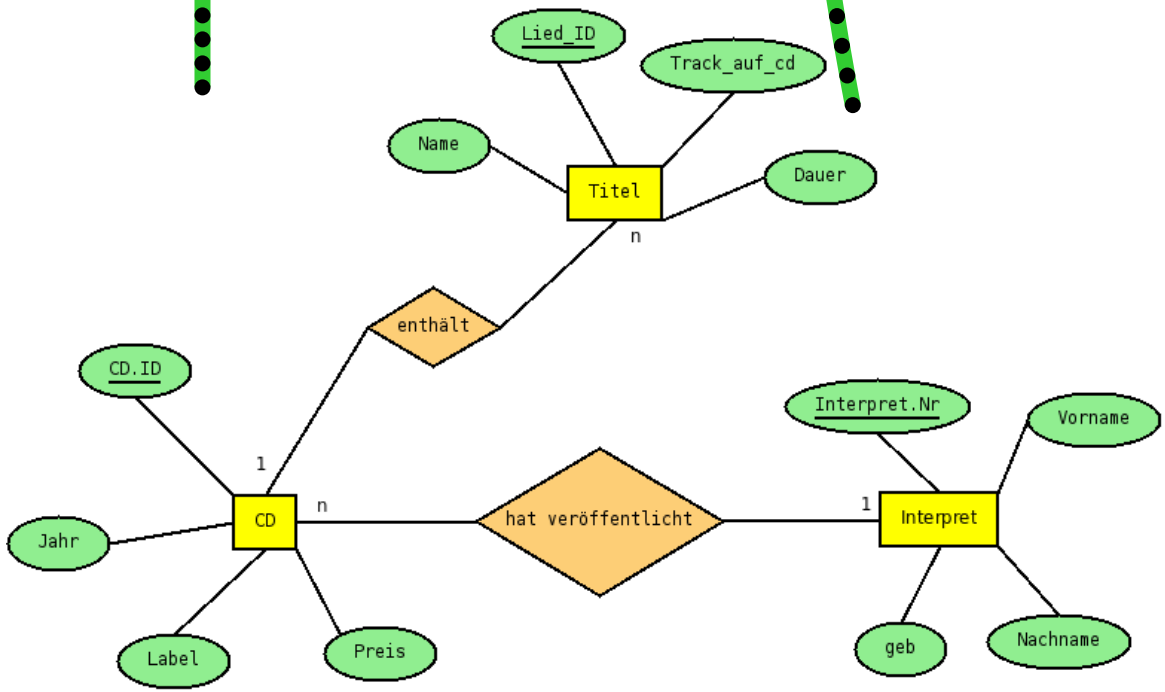
Prof. Wolff

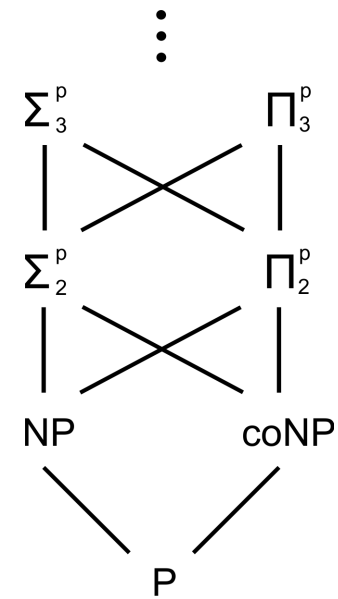




Prof. Glaßer

Prof. Seipel

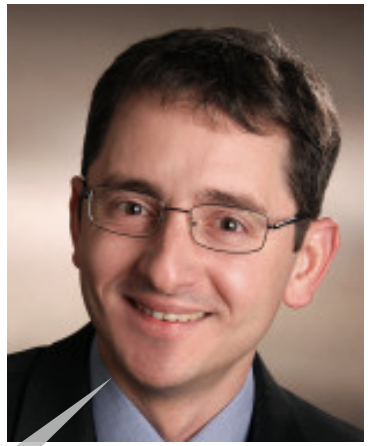




Chair I: Algorithms, Complexity and Knowledge-Based Systems

Prof. Wolff

- *Visualization of Graphs*
- *Algorithms for Geographic Information Systems (GIS)*

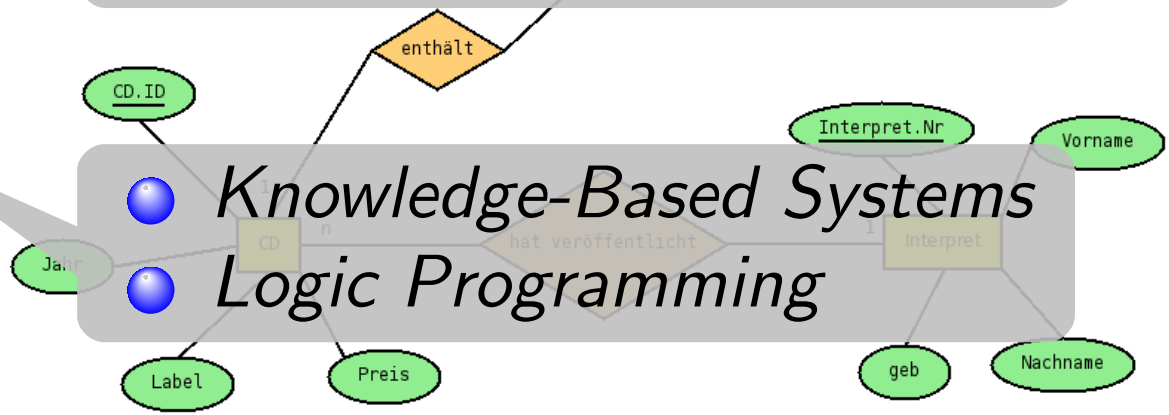


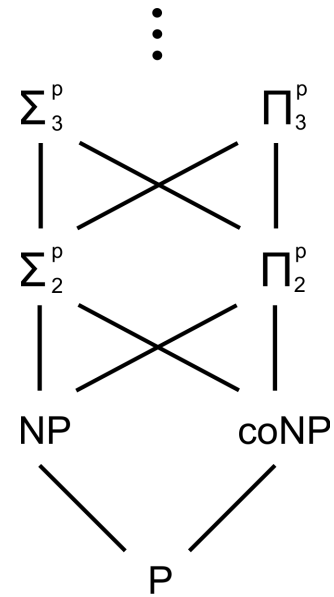
Prof. Glaßer

- *Computational Complexity*
- *Automata Theory and Formal Languages*

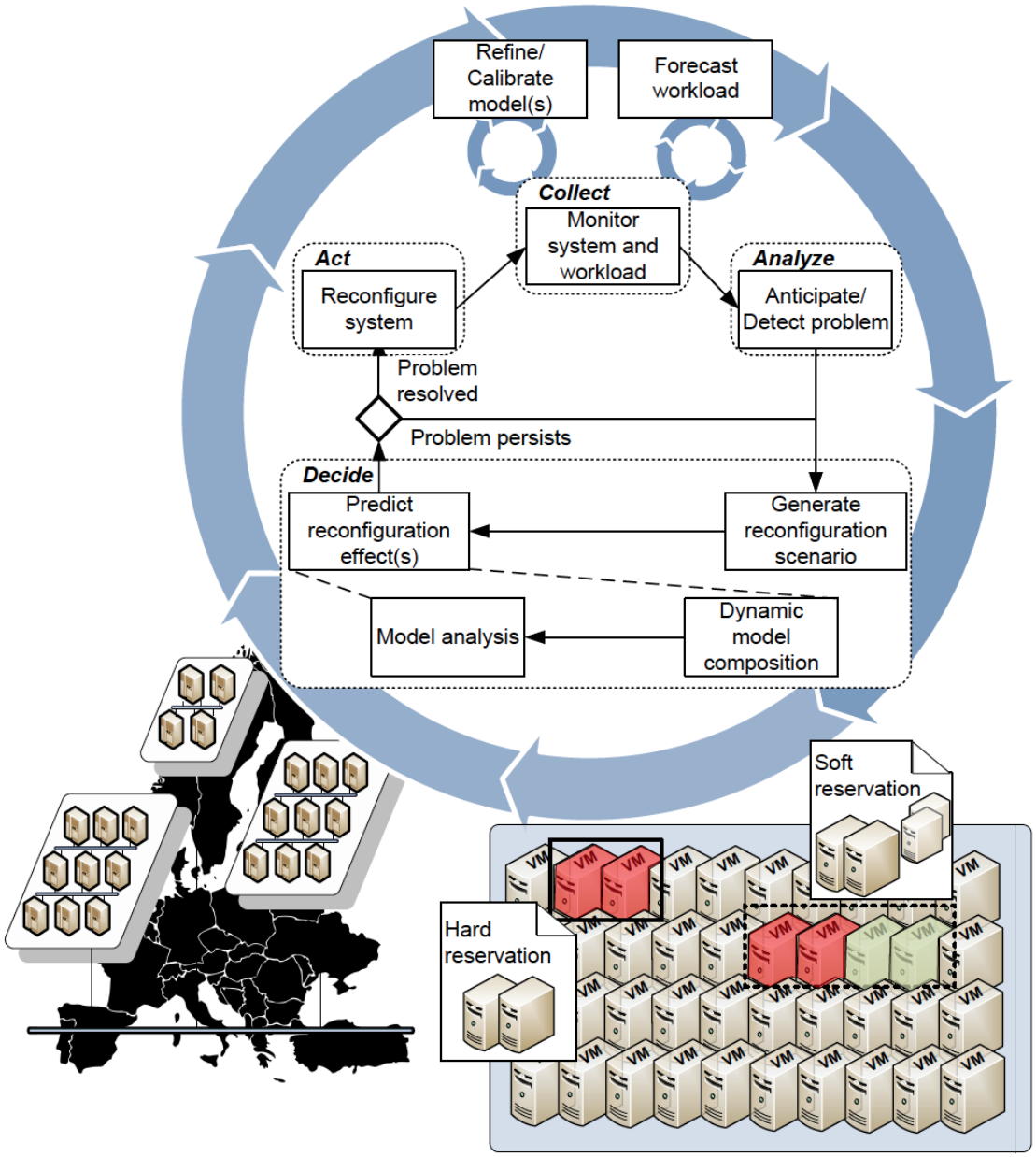
Prof. Seipel

- *Knowledge-Based Systems*
- *Logic Programming*





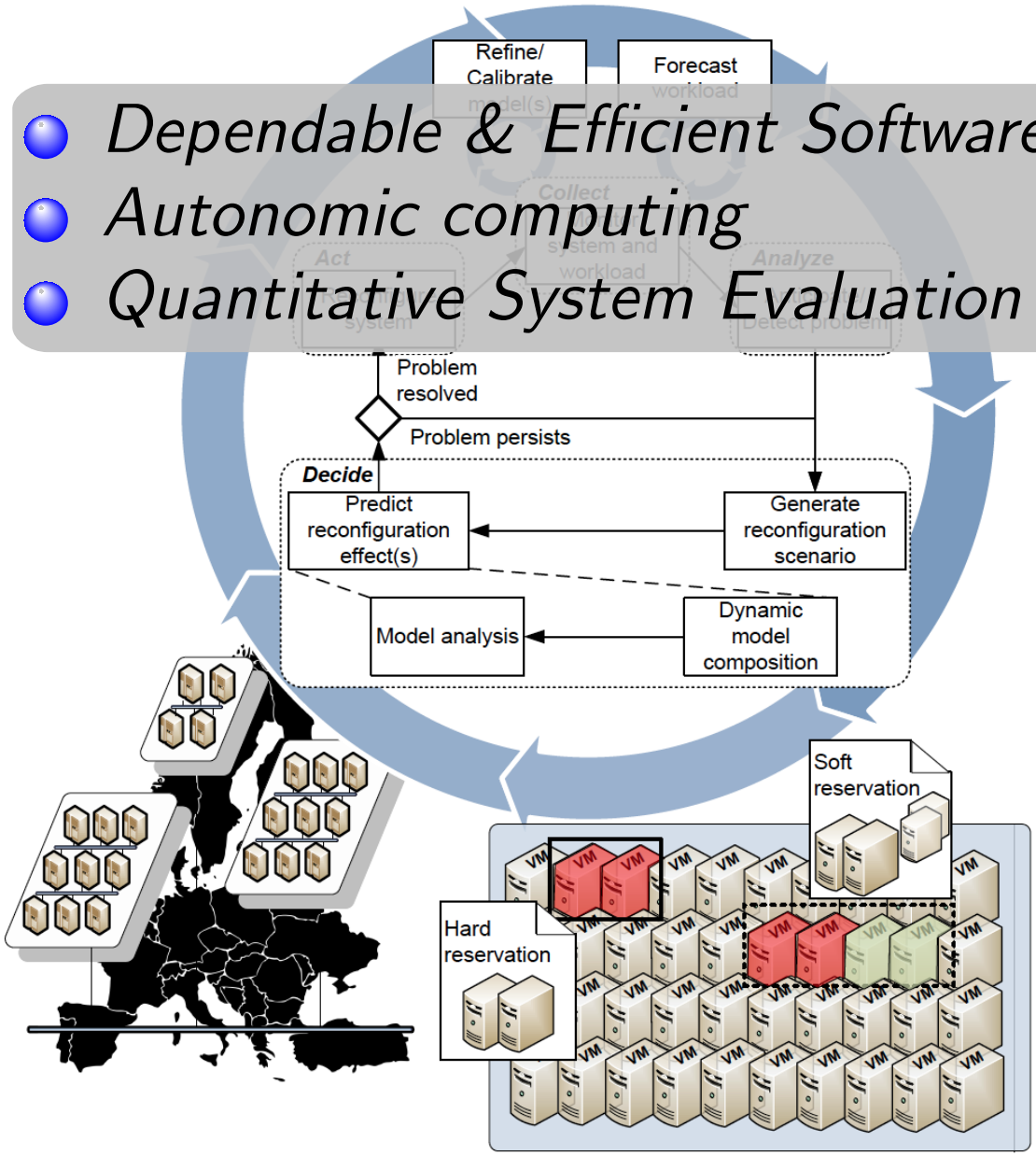
Chair II: Software Engineering



Prof. Kounev

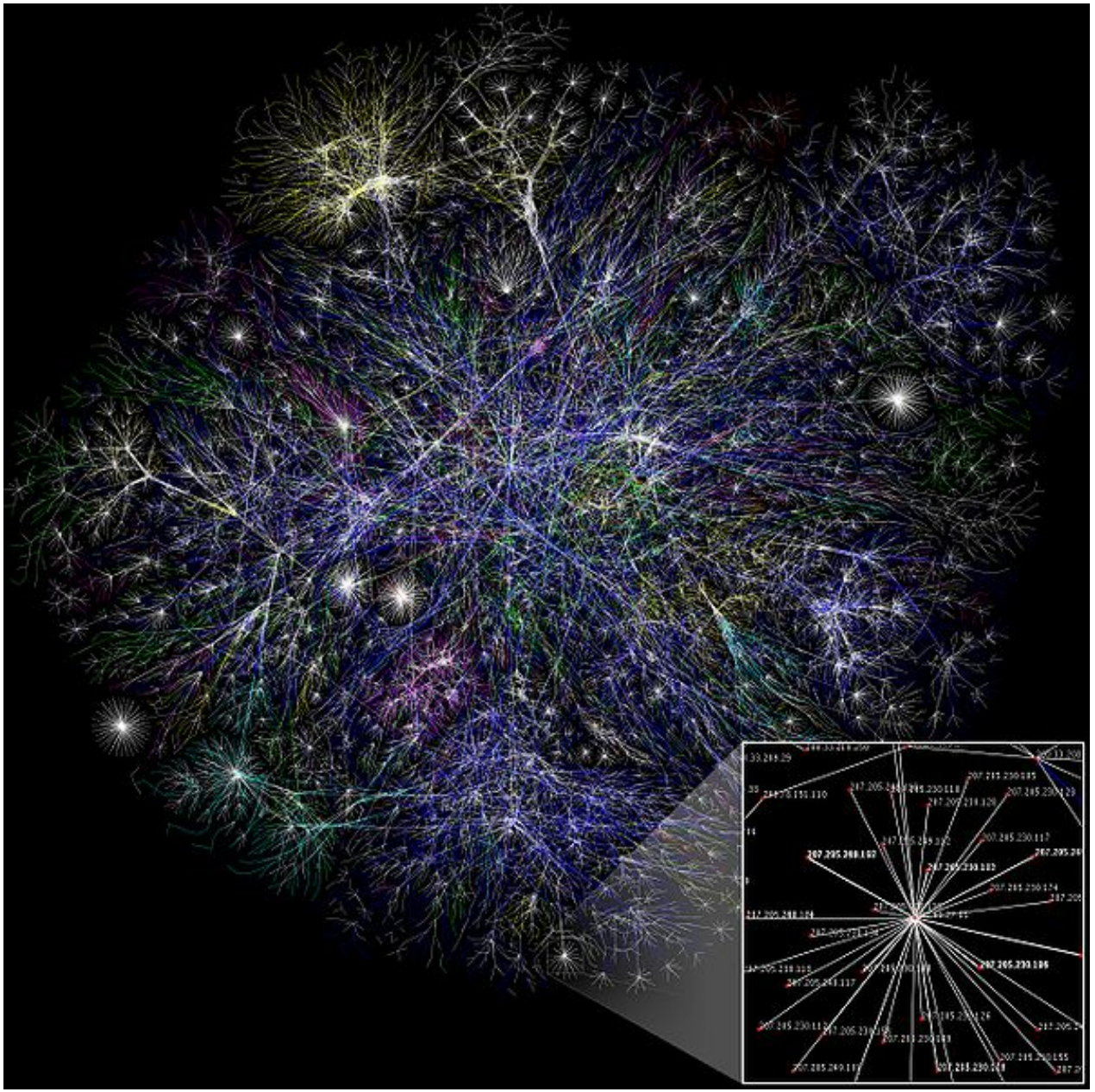
Chair II: Software Engineering

- *Dependable & Efficient Software Systems*
- *Autonomic computing*
- *Quantitative System Evaluation*



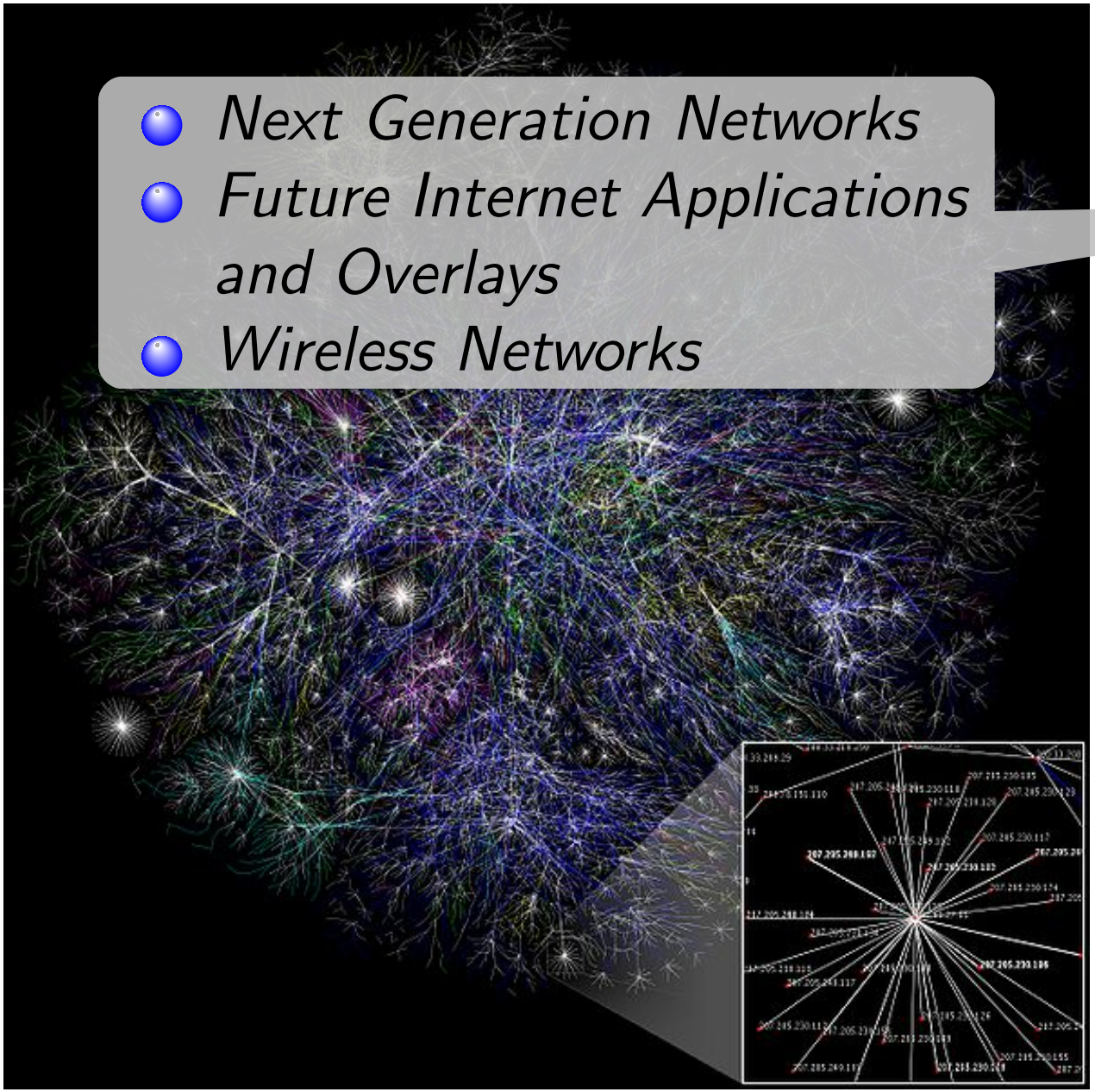
Prof. Kounev

Chair III: Communication Networks



Prof. Tran-Gia

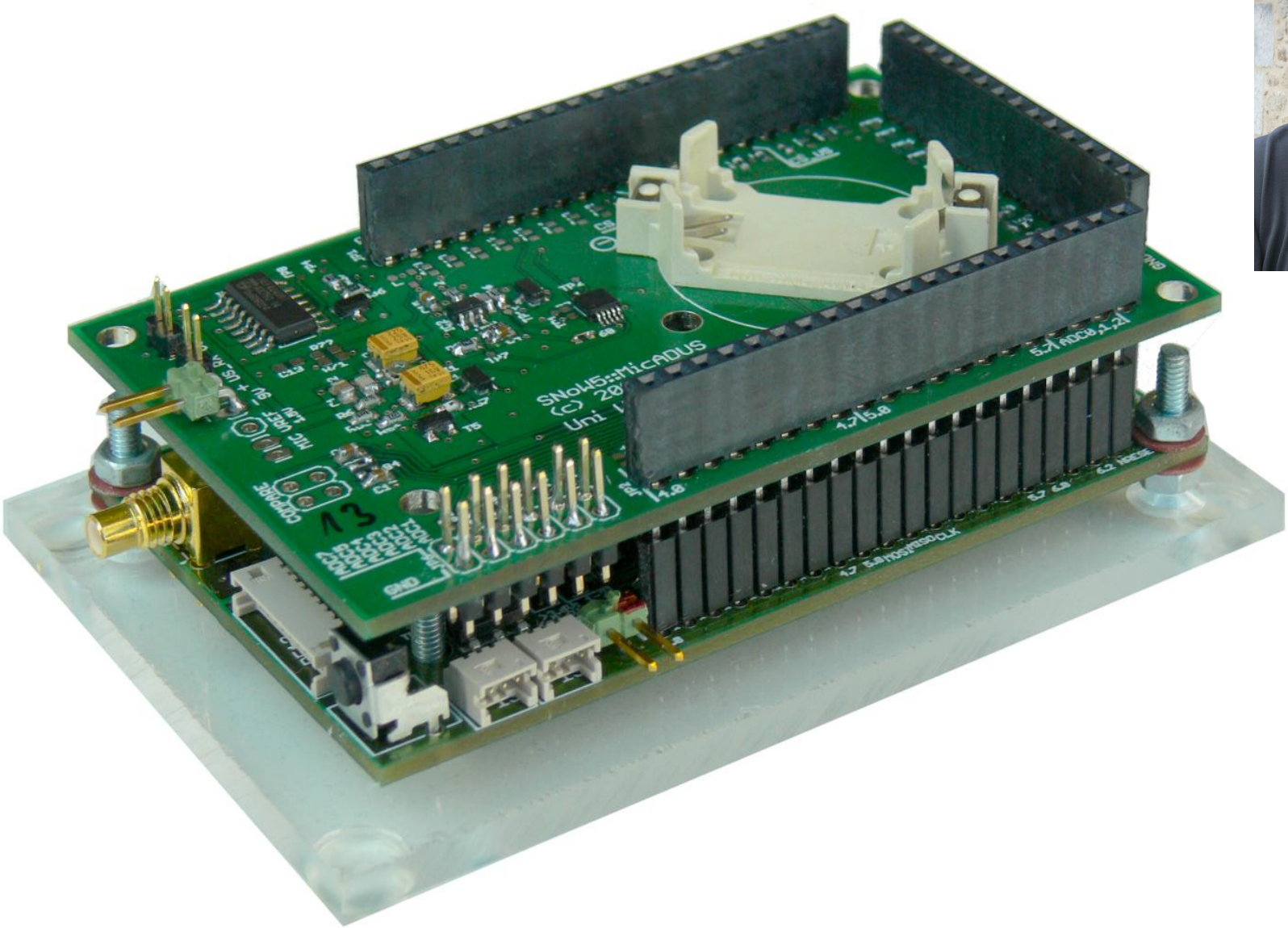
Chair III: Communication Networks



- *Next Generation Networks*
- *Future Internet Applications and Overlays*
- *Wireless Networks*

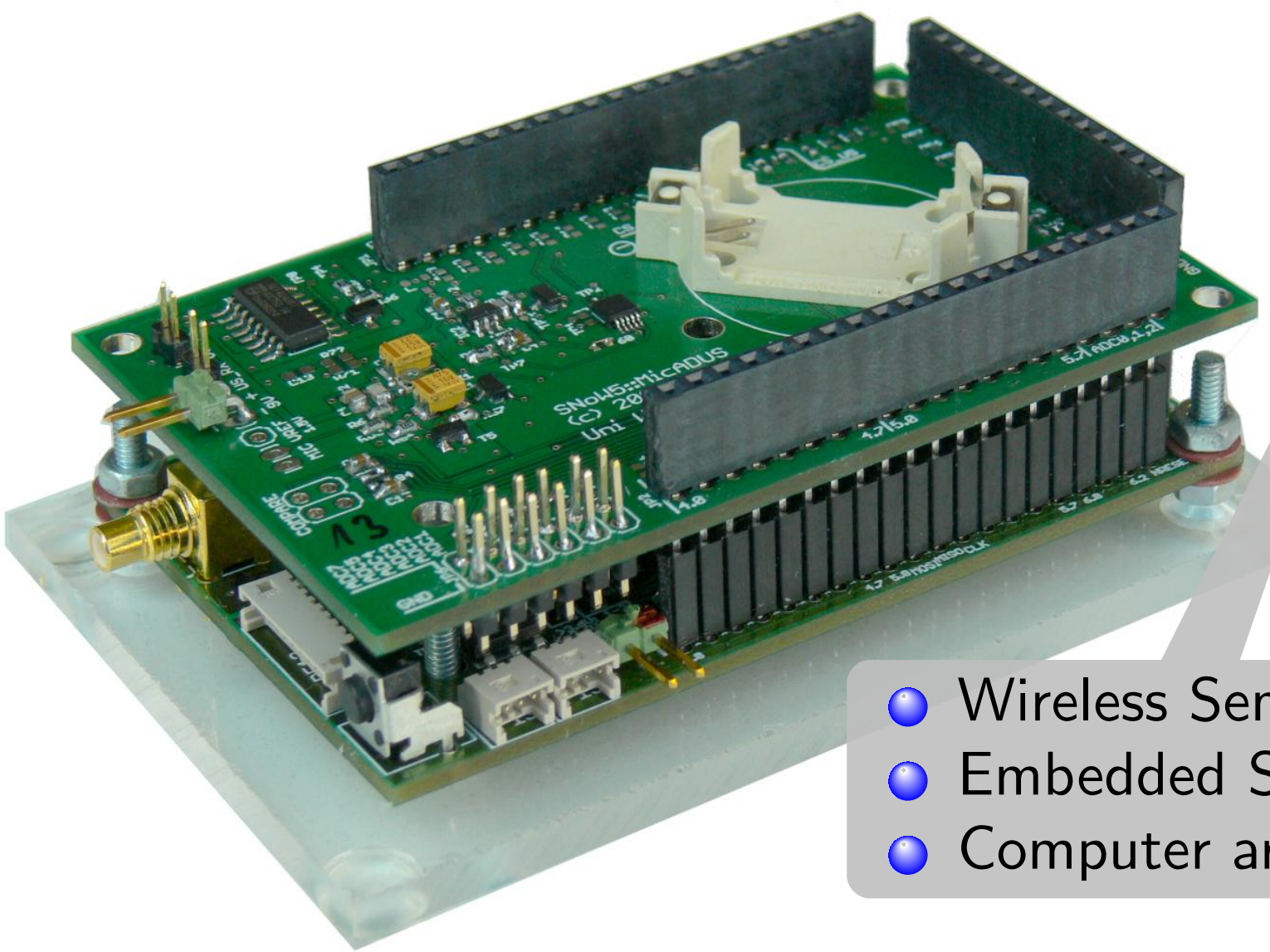
Prof. Tran-Gia

Chair V: Technical Comp. Science



Prof. Kolla

Chair V: Technical Comp. Science



Prof. Kolla

- Wireless Sensor Networks
- Embedded Systems
- Computer architecture

Chair VI: Artificial Intelligence and Applied Comp. Science

Prof. Puppe

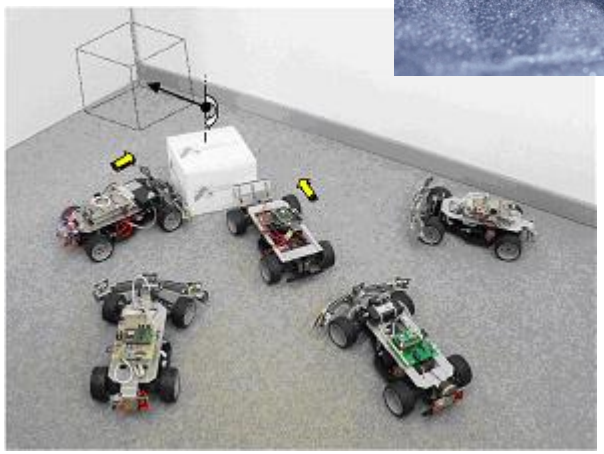
Prof. Hotho

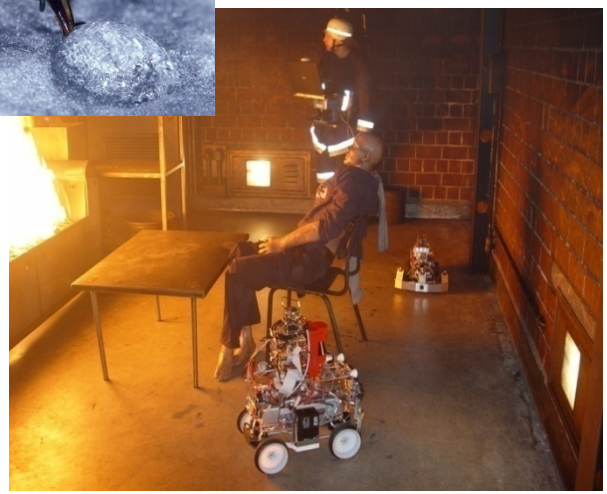
Chair VI: Artificial Intelligence and Applied Comp. Science

Prof. Puppe

Prof. Hotho

Chair VII: Robotics and Telematics





Prof. Schilling

Prof. Nüchter

Chair VII: Robotics and Telematics

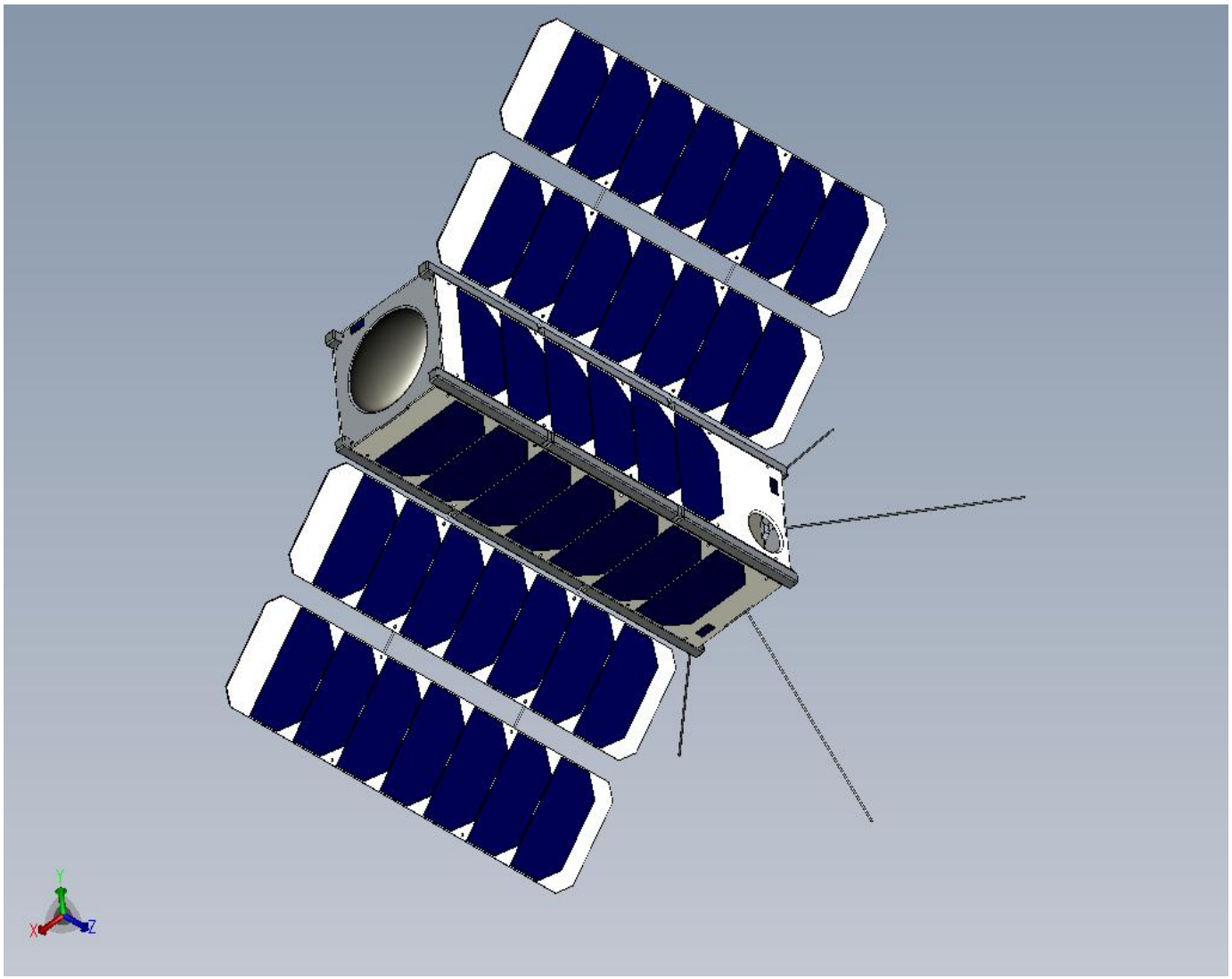
- *Pico-Satellites / Space Exploration*
- *Mobile Robots*
- *Manipulators and Medical Robotics*

Prof. Schilling

- *Control and Automation Technology*
- *Distributed Networked Systems*
- *GraphSLAM*

Prof. Nüchter

Chair VIII: Aerospace Information Technology

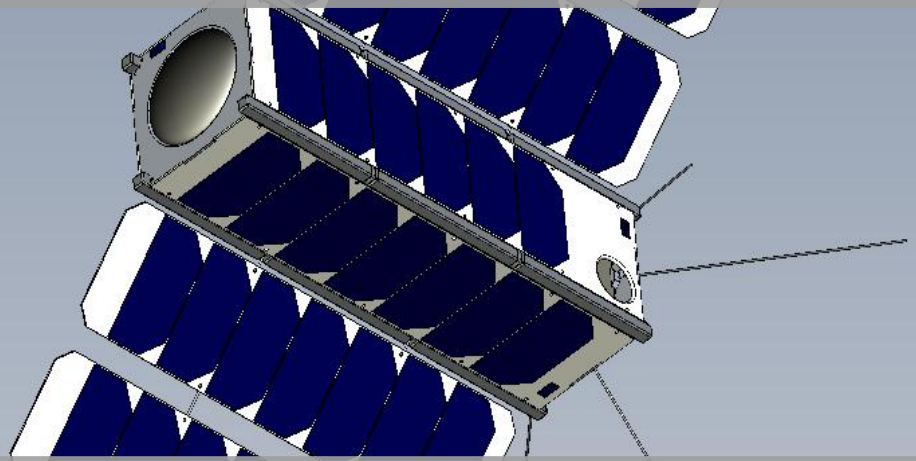


Prof. Montenegro

Prof. Kayal

Chair VIII: Aerospace Information Technology

- *Dependable Computing*
- *Autonomous In-Door Flight Vehicles*
- *Real-Time Operating Systems*

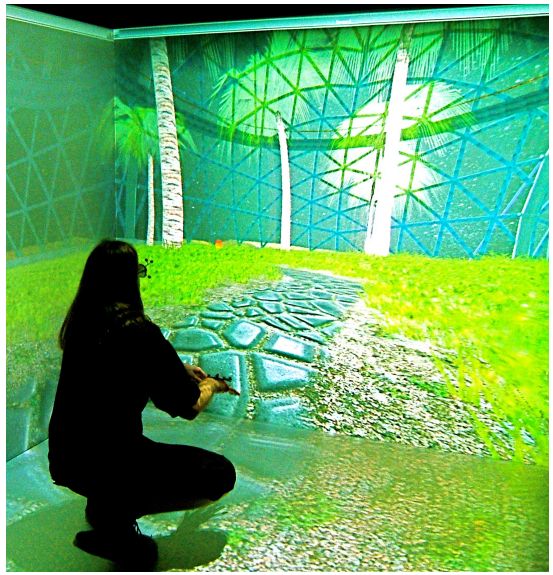


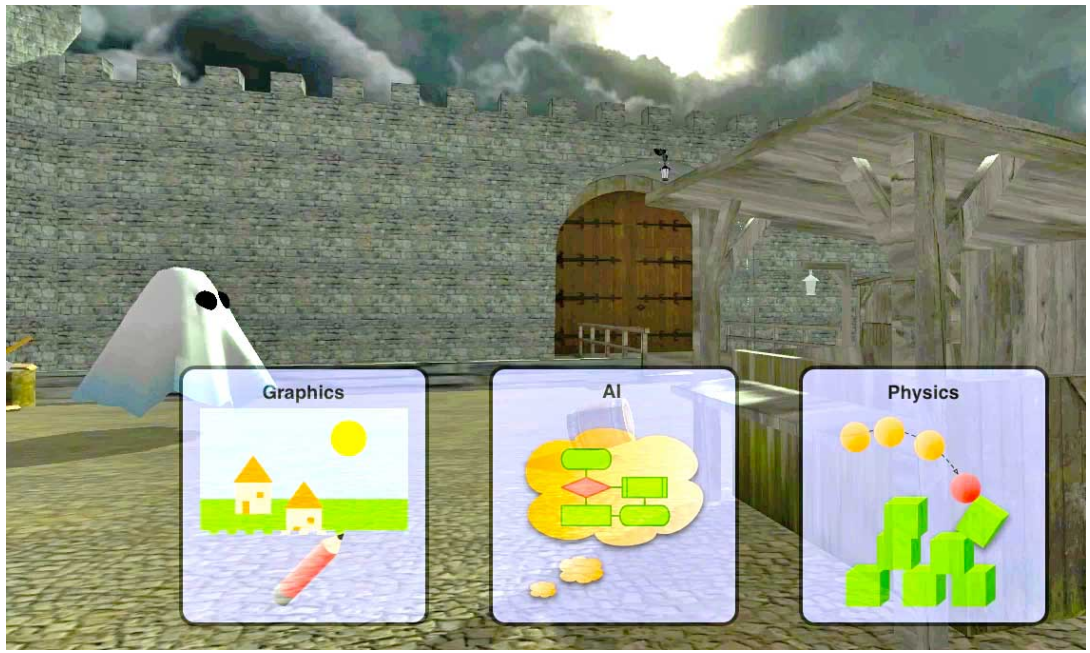
- *Small Satellites for Scientific Missions*
- *Space Systems with Higher Autonomy*
- *Space Situational Awareness*

Prof. Montenegro

Prof. Kayal

Chair IX: Human-Computer Interaction

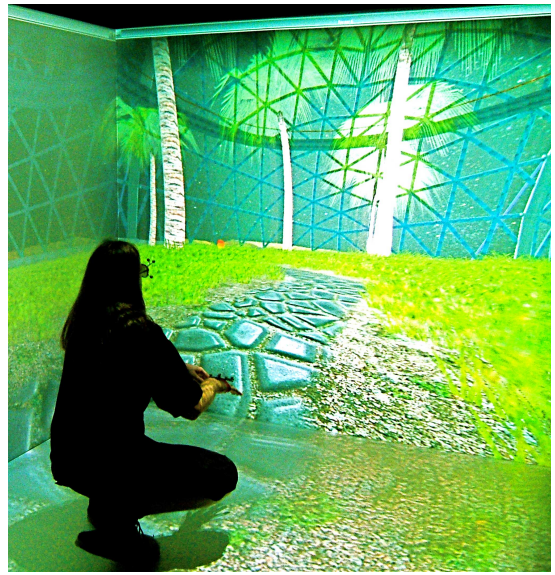




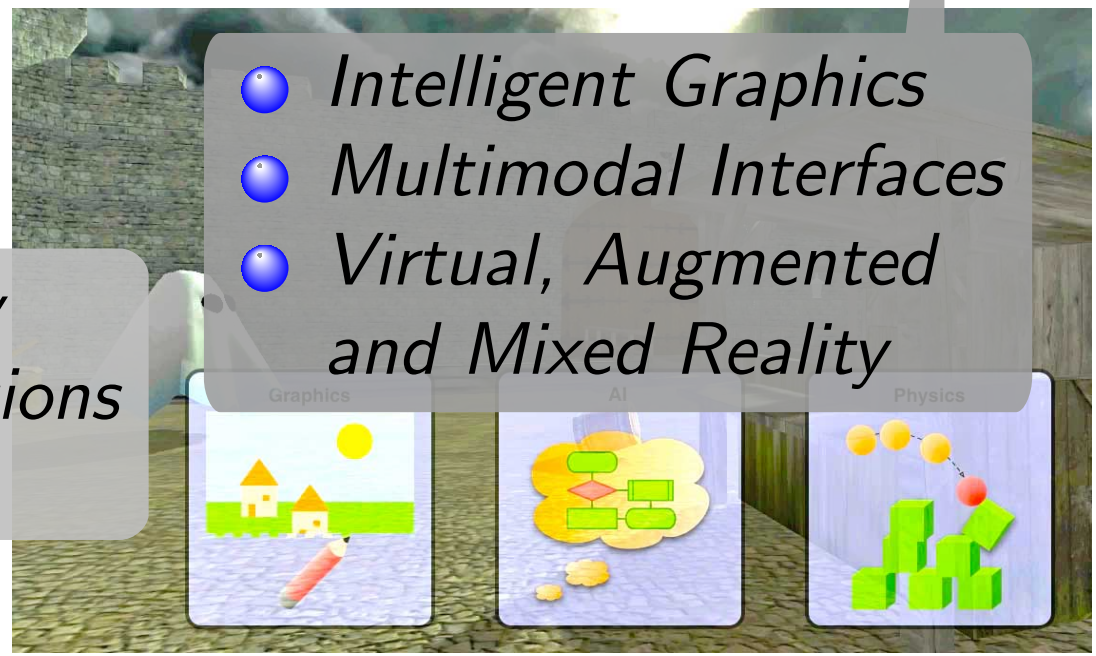
Chair IX: Human-Computer Interaction

- *Designing for Diversity*
- *Human-Agent Interactions*
- *Virtual Characters*

Prof. Lugrin

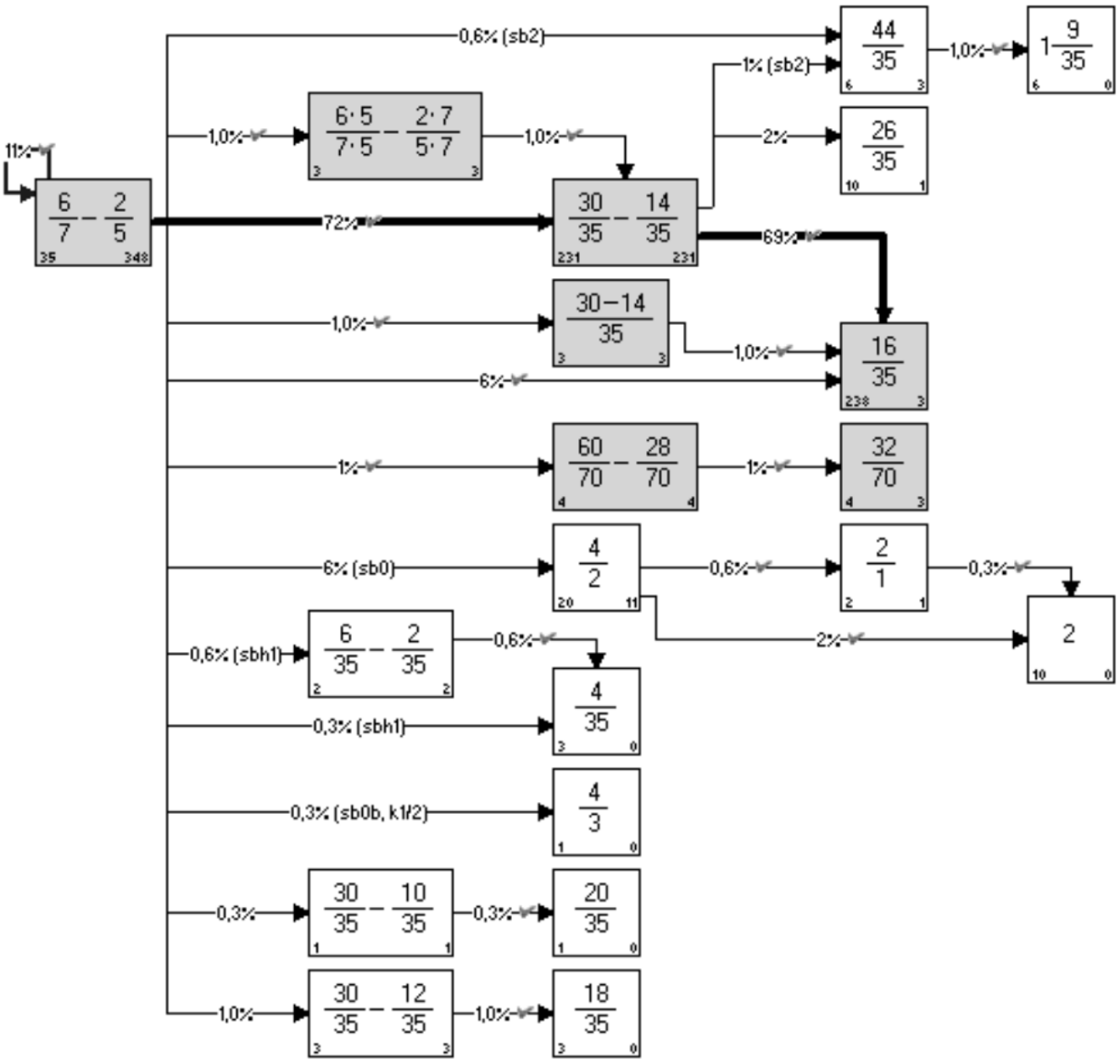


Prof. Latoschik



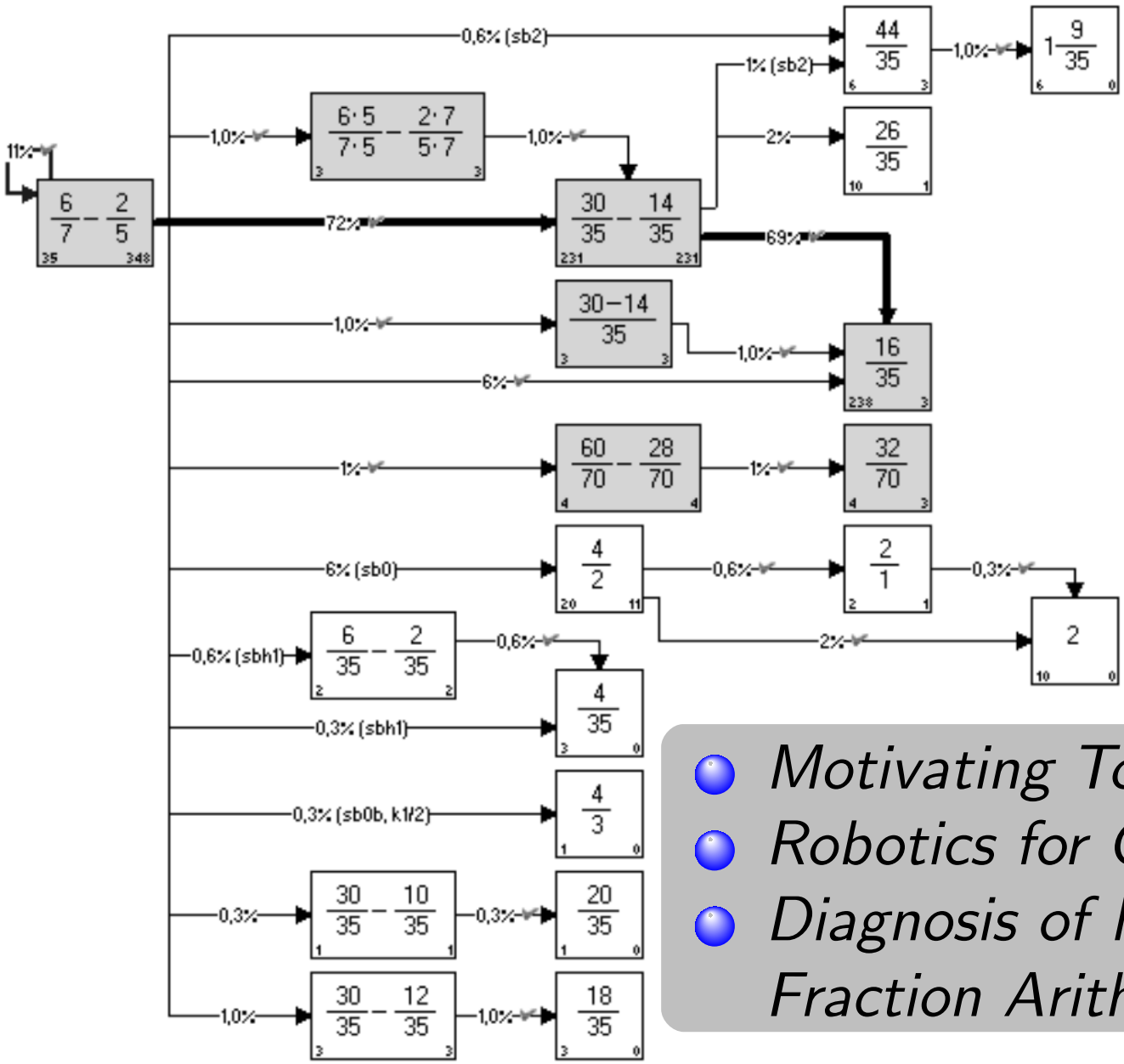
- *Intelligent Graphics*
- *Multimodal Interfaces*
- *Virtual, Augmented and Mixed Reality*

Computer Science Education



Prof. Hennecke

Computer Science Education



Prof. Hennecke

- *Motivating Topics for C.S. Education*
- *Robotics for C.S. Education*
- *Diagnosis of Misconceptions in Fraction Arithmetics*


See you at the Institute of Computer Science!