Welcome Address
for new Master Students, SS 2024

Ulf-Peter Schroeder

Managing Director of the CS Department

„Long History" of UPB in CS („Informatics")

- **Since 1965** - Electrical engineering/information processing course at the former engineering school

- **Since 1972 -** University of Applied Sciences degree program "Computer Engineering"

- **1977 -** Appointment of the first full University Professor of Computer Science (Burkhard Monien)

- **1981 -** Starting of the "integrated degree program in computer science" (Diplom Informatik)

- **1989 -** Starting of the integrated study program "Business Informatics"

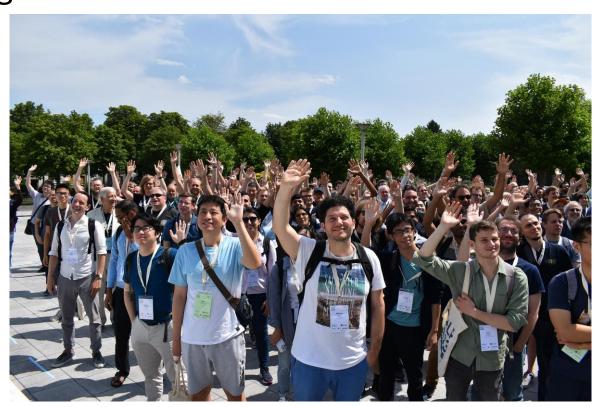- **Since WS 2004/2005 -** Bachelor / Master degree in Computer Science

Current Student Numbers in CS …

- **691 „Bachelor Computer Science"**
  136 „Bachelor Computer Engineering"
  424 „Bachelor Business Informatics"

- **399 „Master Computer Science"**
  75 „Master Computer Engineering"
  66 „Master Business Informatics"

- „countless" **teacher trainees** in CS

- roughly **100 PhD Students** in CS

Some current figures on the CS Department

- **Staff**
  - 22 appointed Professors
  - 4   Junior research group leaders
  - 5   vacant positions ...
  - 130 scientific employees
  - 40 non-scientific employees
- **Structured along 4 subdisciplines**
  - Theory of CS
  - Software Engineering
  - Computer & Communication Systems
  - Artificial Intelligence

Where you can find CS Professors, Labs etc.

- **Main Campus**
  - **O-Building**
  - **X-Building**
  - **E-Building**

- **Fürstenallee**
  - **F-Building**
  - **ZM2-Building**

- **Technology Park (TM6-Building)**

Research at the CS Department

- **5 Research Focus Areas**
  - Data Science
  - Security
  - Domain Specific Computing
  - Quantum Computing
  - Continuous Software Engineering

Professors and their research groups are intended to work jointly in one or several of these research areas and to attract appropriate research funds.

Interdisciplinary Research Units of UPB / CS

- **Heinz Nixdorf Institute**
  „Our research specializes on intelligent technical systems. We design concepts for intelligent technical systems that are adaptable, robust, user-friendly and act with foresight."

- **Fraunhofer IEM**
  „The Fraunhofer IEM in Paderborn is developing compelling solutions for the future of engineering - from the initial business idea right through to implementation and market success. The focus is on intelligent products, production systems, services and software applications."

Interdisciplinary Research Units of UPB / CS

- **Paderborn Center for Parallel Computing**
„The PC² is the national high-performance computing center at Paderborn University. Our research mission is to advance interdisciplinary research in parallel computing and computational sciences with innovative computer systems."

- **Software Innovation Campus Paderborn**
„The SICP at Paderborn University is an interdisciplinary research and innovation network in which companies and science jointly research and implement digital innovations in five areas of expertise: Cyber-Physical Systems, Digital Business, Digital Security, Smart Systems and Software Engineering."

Thank you !

You are welcome to join the groups and to invent the future!

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