

# Computer Networks Group

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Prof. Dr. Xiaoming Fu, David Koll

Computer Networks Group

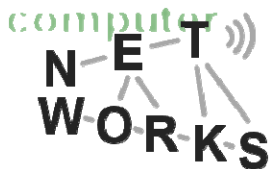
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Faculty of Mathematics & Computer Science

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GEORG-AUGUST-UNIVERSITÄT  
GÖTTINGEN



# Computer Science Faculty



**Prof. Dr. D. Hogrefe**  
Telematics



**Prof. Dr. X. Fu**  
Computer Networks



**Prof. Dr. J. Grabowski**  
Software Engineering



**Prof. Dr. W. May**  
Databases and  
Information Systems



**Prof. Dr. S. Waack**  
Theoretical  
Computer Science



**J.-Prof. Dr. K. Rieck**  
Computer and  
Communication  
Security

**Prof. Dr. C. Damm**



10/25/2011

**Dr. H. Brosenne**



**Prof. Dr. R. Yahyapour**  
Cloud and grid  
computing

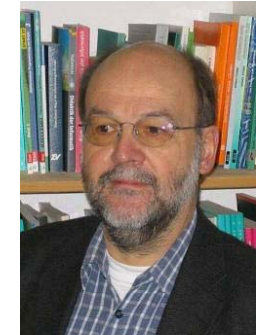


**Prof. Dr. F. Wörgötter**  
Computational  
neuroscience



**Prof. Dr. W. Kurth**  
Computer graphics  
and ecological  
informatics

**Prof. Dr. E. Modrow**



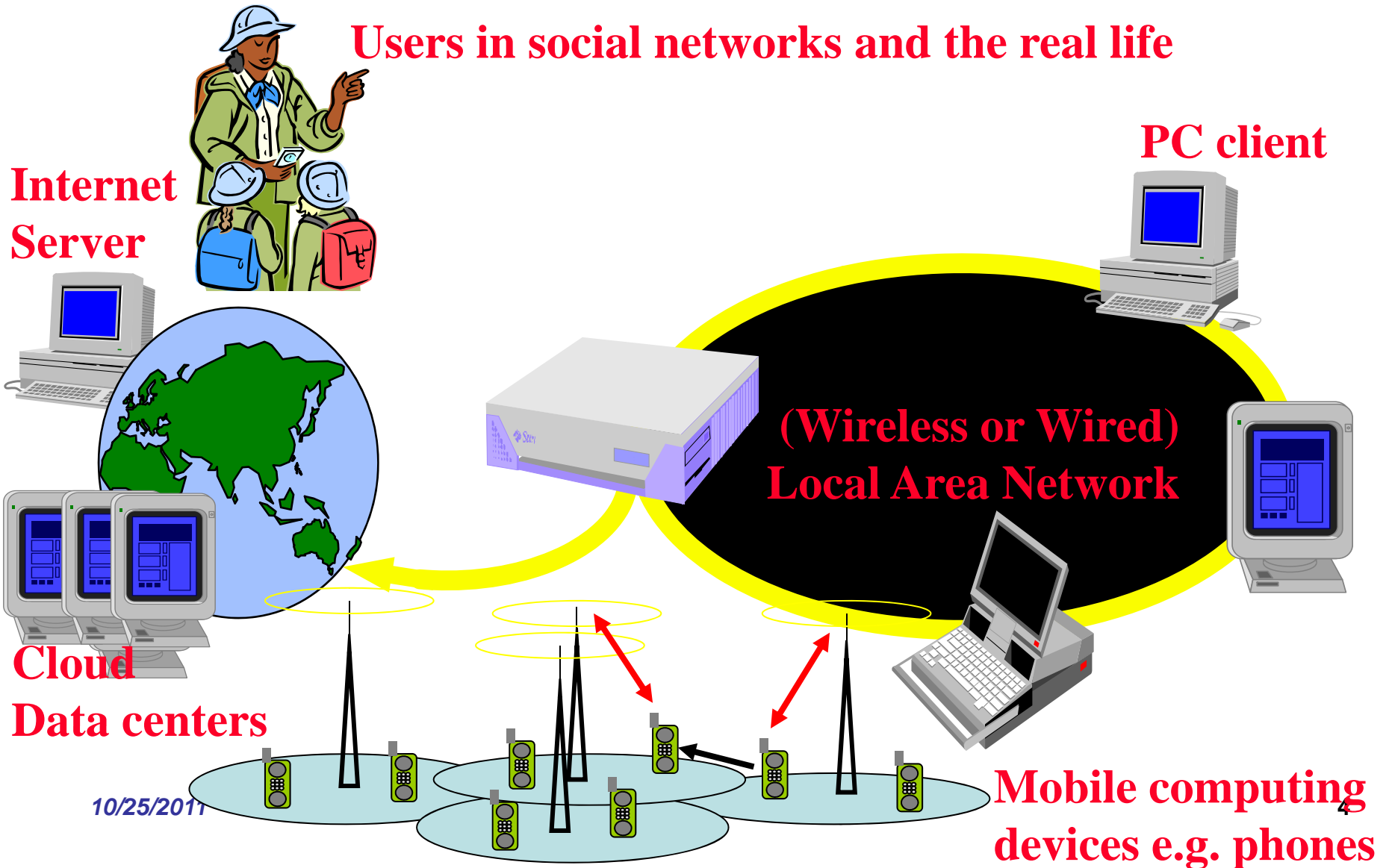


- **GÖMOBILE, GÖNET**
  - Part of DFN ☺
  - Webpages, mailing lists, computing/mail/storage/printing servers, etc.
- **ZFI/IFI**
  - CIP Pool, Web/app servers, Microsoft Academy
- **Computer Networks Group**
  - Spirent TestCenter, network processors, PCs, notebooks, PDAs
  - Networking lab: Cisco routers, wireless devices, switches, simulation services, PCs, mobile phones
  - Planet-Lab, EmuLab, OPNet

# Computer Networking: Info Infrastructure for Connecting Everything Today & Tomorrow



## Users in social networks and the real life



# Computer Networks Group: Projects

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- EU projects:
  - **ENABLE**: enabling mobility in large scale operational IP networks
  - **MING-T**: mobile digital broadcast convergence
  - **VIDIOS**: Video distribution over MPLS networks
- Germany:
  - DFG, DAAD, State, ...
  - **Structure, Functionality, and Dynamics of Social Networks**
- Company sponsored:
  - **Microsoft: Mobile Cloud Computing (Hawaii)**
  - **Panasonic**: QoS and Authentication in Mobile Internet
  - **Huawei**: Advanced mobility management in 4G networks
  - **German Telecom T-Systems/T-Labs**: congestion control; social networks
  - **Siemens, NSN**: security, mobility, emergency service
- Other collaborations:
  - **Telenor**, TI, BT, FT, **AT&T**, China Telecom, China Unicom, Telefonica
  - **NEC**, Nokia, **NSN**, Ericsson, Bell Labs, **Microsoft Research**, IBM Research
  - **Columbia**, **UCLA**, **UCSB**, **Oregon**; **Cambridge**, **Helsinki**, **NTNU**, **Technion**
  - Fraunhofer FOKUS, **MPI-DS**, **Tsinghua**, **PKU**, **Fudan U.**, **Nanjing U.**, BUPT

# Computer Networks Group: People

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- Head: Prof. Dr. Xiaoming Fu
- Secretary, system administrator
- Humboldt fellow/visiting faculty
  - Dr. Wenzhong Li: mobile computing
- PhD students/RAs (8)
  - Narisu Tao: social networks
  - Yuan Zhang: green cloud computing
  - David Koll: privacy-preserving decentralized social networking
  - Lei Jiao: social-aware cloud computing
  - Jiachen Chen: info-centric networks and gaming
  - Konglin Zhu: mobile social networks
  - Sufian Hameed: preventing spams
  - Florian Tegeler: botnets detection
- External PhD students (1)
  - Hannes Tschofenig (NSN): emergency service over IP
- Master students (5)
  - Christian Dickmann (VMWare)
  - Shining Wu, Cong Ding
  - ...
- Bachelor students (3)
  - Johannes, ..., ...



- Advanced Topics in Computer Networking (MSc)
  - Selected research topics on Cloud Computing & Social Networks
- Seminar on Internet Technologies (BSc/MSc)
  - Review one of the state-of-the-art technologies
- Practical Course Advanced Networking (MSc)
  - Individual programming projects, each comprising 2-3 students
  - Mobile cloud computing or others
- Information Theory and Dynamical Systems (MSc)
  - In collaboration with MPI-DS/Physics (Prof. Geisel; Dr. Nagler)
- Also: student projects for BSc./MSc. students available!



- Advanced Topics in Mobile Communications (MSc)
  - Selected research topics on mobile computing and wireless networking
- Seminar on Internet Technologies (BSc/MSc)
  - Review one of the state-of-the-art technologies
- Practical Course Advanced Networking (MSc)
  - Individual programming projects, each comprising 2-3 students
  - Mobile cloud computing or others
- Mathematical Models in Computer Networks (MSc)
  - Block or weekly course
- Also: student projects for BSc./MSc. students available!



## Contact info

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