

Computer Networks Group

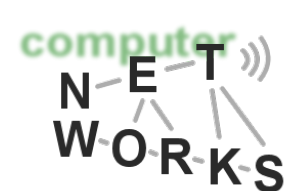
Prof. Dr. Xiaoming Fu, David Koll

Computer Networks Group
Institute of Computer Science

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GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN



Computer Science Faculty



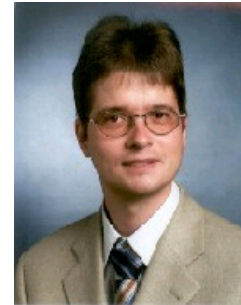
Prof. Dr. D. Hogrefe
Telematics



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



10/25/11

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

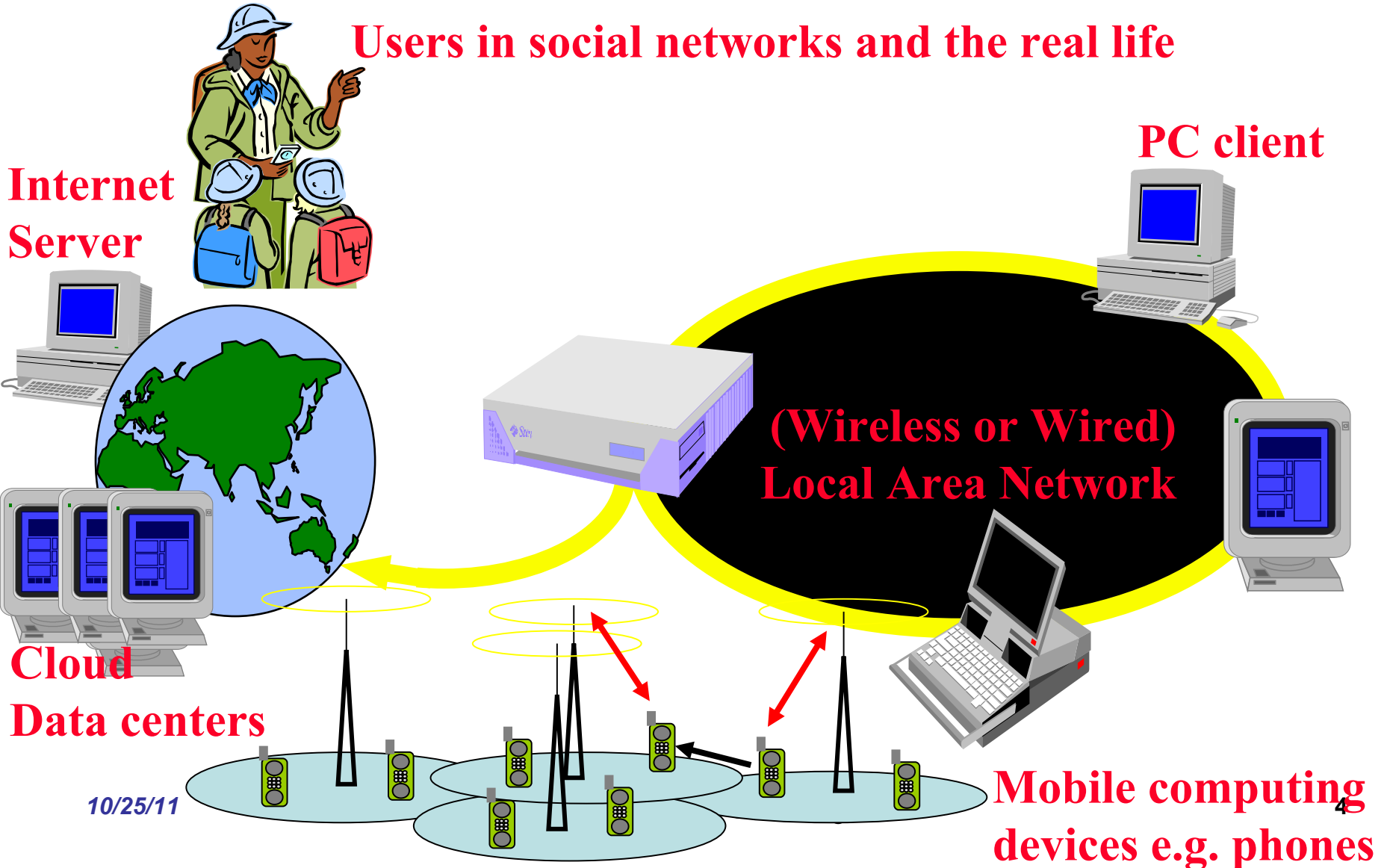


- **GÖMOBILE, GÖNET**
 - Part of DFN ☺
 - Webpages, mailing lists, computing/mail/storage/printing servers, etc.
- **ZFI/IFI**
 - CIP Pool, Web/app servers, Microsoft Academy
- **Computer Networks Group**
 - Spirent TestCenter, network processors, PCs, notebooks, PDAs
 - Networking lab: Cisco routers, 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



10/25/11

Computer Networks Group: Projects



- 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, BMBF, 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**: congestion control; social networks
 - **Siemens, NSN**: security, mobility, emergency service
- Other collaborations:
 - Telefonica, Telenor, TI, BT, **AT&T**, Vodafone, China Telecom, Unicom
 - **NEC**, Nokia, **NSN**, Ericsson, Bell Labs, **Microsoft Research**, IBM Research
 - **Columbia U.**, **UCLA**, Berkeley, UCSB; **Cambridge**, UCL, **Helsinki**, **NTNU**
 - **MPI-DS**, **Tsinghua U.**, **Fudan U.**, **Nanjing U.**, BUPT, etc.

Computer Networks Group: People



- 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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