



Welcome to the 16th ITG-Conference

Future of Networking 2019



5G Networks: Status and Outlook

as part of





e-dialistic future

Science – Standards – Testing

VDE

VDE – Network for future technologies:

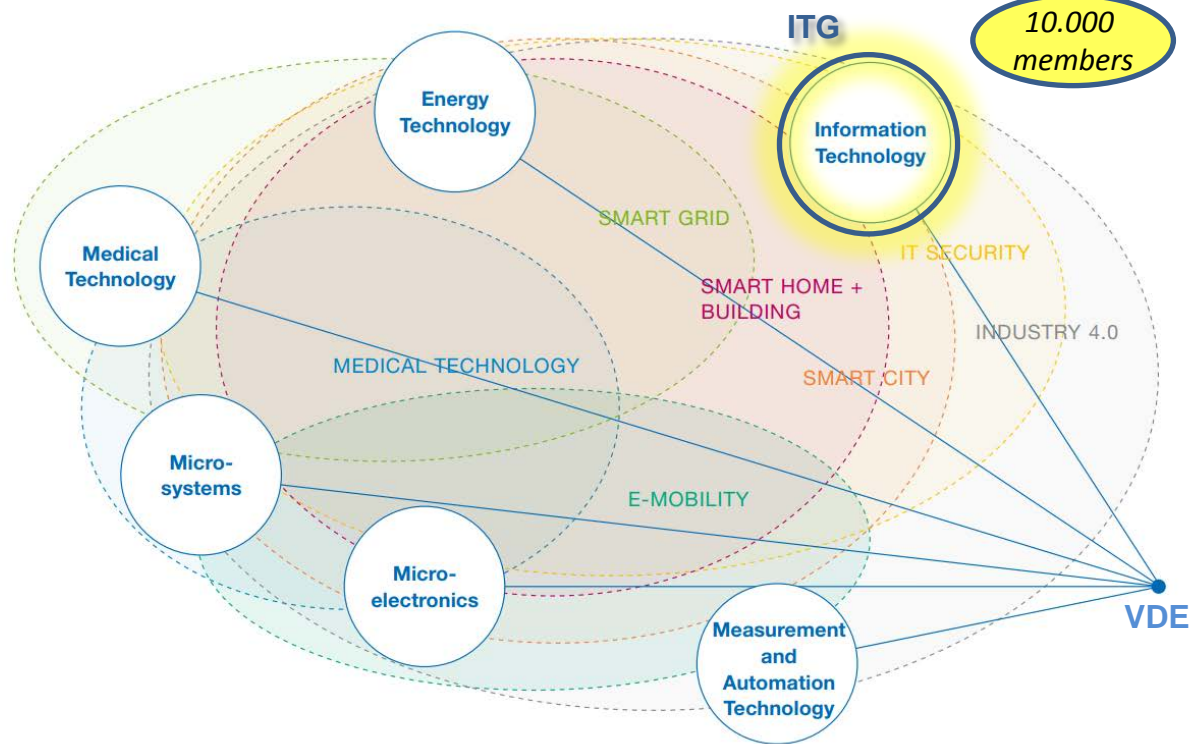
- Science
- Standards
- Testing

36.000
members

ITG – Focus on Information and Communication Technology



10.000
members



- ▶ Antennas and Radio Systems
- ▶ Audio and Speech Technologies
- ▶ Automation technologies
- ▶ Broadcasting and Electronic Media
- ▶ **Communication Networks and Systems**
- ▶ Computing Architectures
- ▶ Distributed Systems and Communications
- ▶ ICT-Applications (E-Business, E-Government)
- ▶ Integrated Circuits
- ▶ Industry-grade Software Development
- ▶ Information and System Theory
- ▶ Modelling and Performance Evaluation
- ▶ Micro and Nano Technologies
- ▶ Mobile Communications
- ▶ Optical Transmission Technologies
- ▶ Service Platforms
- ▶ Traffic Telematics and Connected Car

- ▶ Antennas and Radio Systems
- ▶ Audio and Speech Technologies
- ▶ Automation technologies
- ▶ Broadcasting and Electronic Media

▶ **Communication Networks and Systems**

- ▶ Co...
- ▶ Di...
- ▶ IC...
- ▶ Int...
- ▶ In...
- ▶ Inf...
- ▶ Mo...
- ▶ Mi...
- ▶ Mobile Communications
- ▶ Optical Transmission Technologies
- ▶ Service Platforms
- ▶ Traffic Telematics and Connected Car

KT2 Committee with for 4 working groups:

- *System Architectures & Traffic Engineering*
- *Network Security*
- *IP and Mobility*
- *Access and Home Networks*

▶ **KT2: Communication Networks and Systems**



Regular Conferences:

- **„Future of Networking“** (changing locations)
- **„Broadband in Germany“** (Berlin)
- **„Mobile Communications“** (Osnabrück)

Recent Workshops:

- **„Smart Cities“**
- **„Communication Networks for Critical Infrastructures“**
- **“Network Performance Analysis and Optimization”**
- **„Cellular IoT“**
- **„Vehicular Communication“**

Winter School „Network Performance Evaluation & Optimization“

Previous Locations:

- München
- Dresden
- Dortmund
- Kaiserslautern
- Mittweida
- Bremen
- Essen
- Chemnitz
- Stuttgart
- Hamburg-Harburg
- Wien
- Osnabrück
- Braunschweig
- Tübingen
- Lübeck
- München



as part of



KT2 Contacts

Communication Networks & Systems



Dr.-Ing. Joachim Sachs
Ericsson



Prof. Dr.-Ing.
Christian Wietfeld
TU Dortmund
Kommunikationsnetze

System Architectures and Traffic Engineering



Prof. Dr.-Ing. Thomas Bauschert
TU Chemnitz
Kommunikationnetze

Prof. Dr.-Ing. Andreas Timm-Giel
TU Hamburg
Kommunikationsnetze



Network Security



Prof. Dr.-Ing. Georg Carle
TU München
Network Architecture & Services

Peter Schneider
Nokia
München



IP and Mobility



Prof. Dr.-Ing. Wolfgang Kellerer
TU München,
Kommunikationsnetze

Prof. Dr. Dirk Staehle
HTWG Konstanz
Rechnernetze



Access and Home Networks



Dr. Roland Freund
Fraunhofer HHI
Berlin

Kai Seim
Seim & Partner
Taunusstein





Welcome to the 16th ITG-Conference

Future of Networking 2019

Start of
this conference:
09:00, Munich

**5G Networks:
Status and
Outlook**

Start of
German 5G frequency auction:
10:00, Mainz

Overview of Program

09:00 – 09:15 Welcome

09:15 – 10:45 5G Operators perspectives



10:45 – 11:15 Networking Break

11:15 – 12:45 5G Technology



12:45 – 14:00 Lunch Break

14:00 – 15:00 5G Applications



15:00 – 15:30 Networking Break

15:30 – 16:30 5G Lead Projects



16:30 – 16:35 Closing remarks



Thank you!

- Speakers
- Participants
- Program Committee
- NetSys Organizing Team
- Sponsors of NetSys
- VDE ITG and GI

***See you tonight at the conference dinner
and soon at an upcoming workshop or conference!***