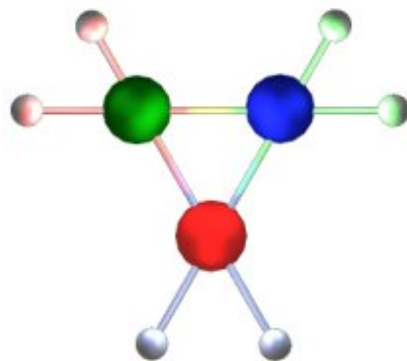


Eleventh International Networking Conference (INC 2016)

Conference Programme



Day 1: Tuesday 19th July

8:30–9:30 **Registration**
Floor 3, BCN (Büro Center Nibelungenplatz) tower building, north entrance
Nibelungenallee 3
Frankfurt University of Applied Sciences, Frankfurt, Germany

9.30–10:00 **Conference Welcome**
Room 331

10:00–11:00 **Keynote Talk**
Room 331 Future Trends in Communication Networks
Dr. Walter Häffner (Vodafone Distinguished Engineer)

11:00–11:30 **Coffee**

11:30–13:00 **Session 1** (Chair: Matthias Wagner)
Room 331 On Channel Allocation of Directional Wireless Networks Using Multiple Channels
Hong-Ning Dai, Hao Wang, and Hong Xiao
Whatif Analysis in Wireless Sensor Networks Using Workflow Provenance
Gulustan Dogan
Investigating Environmental Causes of TCP Retranmission and Flags in Wireless Networks?
Stuart Cunningham, John Davies, Nigel Houlden, Vic Grout, and Rich Picking

13:00–14:00 **Lunch**

14:00–15:30 **Session 2** (Chair: Armin Lehmann)
Room 331 Performance Evaluation of TimeCritical Smart Grid Applications
Frank Ball and Kashinath Basu
P2Pbased M2M Community Applications
Michael Steinheimer, Ulrich Trick, Woldemar Fuhrmann, and Bogdan Ghita
Efficient Test Case Derivation from Statechartsbased Models
Patrick Wacht, Ulrich Trick, Woldemar Fuhrmann, and Bogdan Ghita

15:30–15:45 **Coffee**

15:45–17:00 **Session 3 – Work in Progress** (Chair: Sergej Alekseev)
Room 331 QoE Enhancements in IEEE 802.11e EDCA for Video Transmission through Selective Queueing
Najwan Khambari, Bogdan Ghita, David Lancaster, and Lingfen Sun
Towards an Energy Optimization Framework for Cloud Computing Data Centres
Samah Alshathri
Mobile Edge Computing: Requirements for powerful mobile near realtime applications
Harald Frank, Woldemar Fuhrmann, and Bogdan Ghita

17:45–22:00 **Get Together**

17:45–19:30 **Frankfurt Tour with oldtimer-tram “Ebbelwoi Express”**
The tram starts at station Rohrbachstraße/Friedberger Landstraße and terminates at Frankfurt’s district Sachsenhausen, near to the restaurant *Zum Eichkatzerl*. Even this trip is a special excursion for the conference, the tram uses the tracks of the normal lines, so it cannot wait! **Please be in time!**

19:30–22:00 **Get Together**
Restaurant *Zum Eichkatzerl*
Dreieichstraße 29, 60594 Frankfurt am Main

One of Frankfurt's oldest restaurants serving regional delis and hessian's special drink apple wine.

Day 2: Wednesday 20th July

9:30–10:30 **Keynote Talk**

Room 331 **IoT – different Access Techniques, different Business Models – who really needs it and does it pay off?**
Thomas Lentz (IBM Senior IT Architect)

10:30–11:00 **Coffee**

11:00–12:30 **Session 4** (Chair: John Davies)

Room 331 **Topology Reconstruction for Target Operation Network (TON): A Link Prediction Perspective**
Changjun Fan, Baoxin Xiu, Zhong Liu, Chao Chen, and Yao Yang

A view about WSNfacilitating Applications' Design and a Cloud Infrastructure in Academic Environment and Research
Alexander Novinskiy

VirtualStack: Adaptive Multipath Support through Protocol Stack Virtualization
Jens Heuschkel, Alexander Frömmgen, Immanuel Schweizer, Jon Crowcroft, Alejandro Buchmann, and Max Mühlhäuser

12:30–13:30 **Lunch**

13:30–15:00 **Session 5** (Chair: Klaus-Peter Fischer-Hellmann)

Room 331 **Using Machine Learning Techniques for User Specific Activity Recognition**
Jaideep Chawla and Matthias Wagner

On the Performance of Anomaly Detection Systems Uncovering Traffic Mimicking
Johannes Bouche, Denis Hock, and Martin Kappes

IdentityasaService – a missing gap for moving enterprise applications in InterCloud
Hoang tri Vo, Woldemar Fuhrmann, and Klaus-Peter Fischer-Hellmann

15:00–15:30 **Coffee**

15:30–17:00 **Poster session**

Room 321 **A mobile solution for language communication with deafblind using Arduino and Android**
Anderson Luiz Nogueira Vieira, Douglas Machado Silva, Felipe Felix Novaes, Saymon Belози, Lucas Santos Ribeiro, and Tarik Carpanez Campos

Optimization of Wireless Disaster Network through Network Virtualization
Armin Lehmann, Auberlin Paguem Tchinda, and Ulrich Trick

Deploying Contextual Computing in a Campus Setting
Fabio Aversente, David Klein, Schekeb Sultani, Dmitri Vronski, and Jörg Schäfer

SIP Automated Test Platform
Yagmur Kirkagac, Serdar Simsek, and Demir Yavas

The usage of Body Area Networks for fall-detection
Luigi La Blunda and Matthias Wagner

Algorithm for Generating Peer-to-Peer Overlay Graphs based on WebRTC Events
Christian von Harscher, Marco Schindler, Johannes Kinzig, and Sergej Alekseev

Evaluating Framework for Monitoring and Analyzing WebRTC Peer-to-Peer Applications
Marco Schindler, Christian von Harscher, Johannes Kinzig, and Sergej Alekseev

Assay of Multipath TCP for session continuity in distributed mobility management
Muhammad Dawood, Woldemar Fuhrmann, and Bogdan Ghita

17:45–22:00 **Conference Dinner**

Döpfner's im Maingau
Schifferstraße 38, 60594 Frankfurt am Main

Day 3: Thursday 21st July

9:00–10:30 **Session 6** (Chair: Jörg Schäfer)

Room 331 A Framework for OpenFlowlike Policybased Routing in Hybrid Software Defined Networks
Anshuman Mishra, Deven Bansod, and Haribabu Kotakula

Bitcoin Network Measurements for Simulation Validation and Parameterisation
Muntadher Fadhil Sallal, Gareth Owen, and Mo Adda

DMC: Distributed approach in Multidomain Controllers
Shahzoob Bilal Chundrigar, Min-Zheng Shieh, Li-Ping Tung, and Bao-Shuh Lin

10:30–11:00 **Coffee**

11:00–13:00 **Session 7** (Chair: Frank Ball)

Room 331 Acceptance Factors of Wearable Computing: An Empirical Investigation
Lena Gribel, Stefanie Regier, and Ingo Stengel

Field Study on Linked and Open Data at Datahub.io
Timm Heuss, Janina Fengel, and Bernhard Humm

On OFDM power consumption
Sameer Al-Obaidi, Marcel Ambroze, Bogdan Ghita, and Athanasios Tsokaos

Low Complexity Channel Estimation Method for IEEE 802.11p Vehicle Communications
Chi-Min Li and Feng-Ming Wu

13:00 **Conference Closing Remarks**

Thank you for attending