

# ONIT 2011 @ COMPSAC 2011

## 3rd International IEEE Workshop on Open NGN and IMS Testbeds (ONIT) "Next Generation Network Evolution Towards Future Internet"

July 18-22th, 2011, Munich, Germany

[www.onit-ws.org](http://www.onit-ws.org)

### Organizing Committee

Julius Mueller

Technical University Berlin

Rebecca Copeland

Huawei, Europe

### Steering Committee

Thomas Magedanz

TU Berlin/Fraunhofer FOKUS

### Important dates

**March 15th, 2011**

Submission deadline

**April 8th, 2011**

Notification of acceptance

**May 2nd, 2011**

Submission of

camera-ready papers

**July 18-22th, 2011 (TBD)**

Workshop program

### Links

[ONIT 2011](#)

[COMPSAC 2011](#)

[Paper Submission](#)

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The demand for higher data rates in fixed and mobile networks is continuously growing. A higher density of the overall wireless network coverage emerges from the maintenance of current 2G and 3G technologies and parallel deployment of the new 4G technology, namely Long Term Evolution (LTE) and Evolved Packet Core (EPC) as well as wireless LAN hotspots. The combination of the pure packet switched LTE radio and EPC requires interoperability with classic circuit switched 2G/3G mobile telecommunication core networks, to ensure seamless service usage enabled through IP Multimedia Subsystem (IMS) with VoLTE or other data services.

The 3rd International IEEE Workshop on Open NGN and IMS Testbeds 2011 (ONIT 2011) will give insights into the state-of-the-art technologies concerning open Next Generation Fixed and Mobile Broadband Packet Core Networks and Testbeds at an international scale. The objective is to evaluate and share the experience on the quality and impact of such Testbeds in order to improve current offerings and position them for future challenges. Therefore methodologies, mechanisms, concepts and research results, which address the design, deployment, prototyping and evaluation of Next Generation Fixed and Mobile Broadband Packet Core Networks (NGN), their evolution towards Future Internet (FI) and related application domains are target.

### Areas of Interest include but are not limited to:

- **Fixed and Radio Access Networks**
  - Long-Term-Evolution (LTE)
  - Sensor, GSM, UMTS, HSPA and WiMAX, Wireless LAN technologies
  - Core Network Evolution
  - Fixed Broadband Access Networks
  - Future Access Networks
  - Service Control Mechanisms
- **Open Source IMS/NGN/Mobile Broadband Network Components Development**
  - Open Source software as a driver for cost efficient testbeds
  - Using and enhancing Open Source software in a telecom environment
  - Solving Common-IMS convergence issues with open source components and testbeds
  - Interoperability and Standardization
  - Security and Management Aspects
- **Over-the-top (OTT) applications**
  - Voice over LTE (VoLTE), IMS Centralized Services (ICS)
  - Telco Web services and Service Delivery Platforms (SDP)
  - Web TV versus Internet TV and P2P video streaming
  - Mobile Applications, RCS, MMTel
  - Future Applications
- **NGN to Future Internet**
  - Cross Layer Composition and Future Internet Core Networks
  - Future Fixed and Mobile Core Networks Concepts
  - Next generation transport
  - New architectures (evolutionary vs. clean slate)
  - Virtual and overlay networks