The Fraunhofer FOKUS Competence Center NGNI (Next Generation Network Infrastructures) and the associated Chair for Next Generation Networks at TU Berlin sporadically send newsletters with short information about latest activities.

5th FOKUS FUSECO Forum, 2014 - Early Bird Registration will end in 2 weeks! Seats are limited!

Berlin, Germany, November, 13 & 14, 2014

"Cloud-based ICT Platforms and Virtualized Networks for flexible
Ecosystem enablement within Smart Cities

Join more than 250 colleagues and experts from all over the world, including operators, global analysts, standard bodies and manufacturers to learn, share, network and experience everything you need to know about the the new trends, developments and impacts of Cloud technologies on all levels of Smart Systems.

Benefit from the Fraunhofer-FOKUS FUSECO Forum tradition of established tutorial and workshop streams, interactive afternoon workshops, international conferences and demonstrations!

www.fuseco-forum.org

The Early Bird ends September 14, 2014.
Register here: www.fuseco-forum.org/registration

Fraunhofer FOKUS OpenEPC Rel. 5 – A comprehensive running testbed mirroring the operator network

This is the final video before going towards 5G. In the last 5 years, Fraunhofer FOKUS has developed the OpenEPC toolkit, a software implementation of the 3GPP Evolved Packet Core, a comprehensive test-bed implementation of 2G/3G/4G/WiFi mobile networks and with more than 40 research partners. The final OpenEPC video shows what can be achieved when answering pragmatically the R&D requirements. OpenEPC licensing is now offloaded to Core Network.
Open5GCore Whitepaper

As part of the 5G research program, Fraunhofer FOKUS/TU Berlin have launched the “Towards the 5G Environment: Making Research Steps with Meaningful Results” whitepaper providing an initial view on the know-how and the best practices for industry and academic R&D to obtain relevant results in the new wireless ecosystem. Download this free whitepaper that explores the challenges faced by the R&D community and makes recommendations on how to further advance towards a comprehensive communications system.

For more information or project proposals in the area of 5G, please please visit our website http://www.open5gcore.net or contact us at info@open5gcore.net

OpenMTC for Smart Grid Information System

This demo shows how OpenMTC can be used together with a smart metering solution to communicate energy demand and supply in a renewable, distributed energy consumption and production scenario. OpenMTC monitors the energy production and consumption in an arbitrary number of buildings at a certain area of a city, each connected through an OpenMTC home gateway component. The user
can zoom in on a particular building and discover the energy consumption of individual appliances and having the possibility to control them.

**Success Story about NAUDIT using the FUSECO Playground**

In the context of the European Federation for FIRE project, Fed4FIRE ([http://www.fed4fire.eu/](http://www.fed4fire.eu/)), Fraunhofer FOKUS provides its cutting edge EPC-based mobile broadband NGN testbed ([www.fuseco-playground.org](http://www.fuseco-playground.org)) to European ICT-related SMEs. For maturing its active mobile network monitoring tools, the Spanish SME NAUDIT ([www.naudit.es](http://www.naudit.es)) successfully utilized the FUSECO Playground for conducting various Quality of Service related tests in multiple mobile broadband scenarios.

Prof. Jorge E. López de Vergara (founding partner of NAUDIT - a technology-based startup) sums up his experiences made while utilizing the FUSECO Playground as follows: “The FUSECO Playground represents a unique NGN testbed facility for testing applications in a truly, state-of-the-art mobile broadband environment. By using the FUSECO Playground, including its versatile test management tools, NAUDIT was able to conduct a broad range of crucial tests in various access network scenarios (2G, 3G, 4G/LTE) allowing us to harden our active network monitoring product and to speed up its market entry”.
Fraunhofer FOKUS OpenMTC team will participate at the ETSI M2M Plugtests in Sophia Antipolis, 10-12 September 2014. We will test our latest OpenMTC Rel. 3 at this event for standard compliant interworking with other solutions.

Fraunhofer FOKUS M2M team will present at the M2M Innovation World congress (September 22 - 24, 2014) within the Strategies and Technologies track (September 23, 2014): "IOT-Ready Platforms & Connectivity: Towards a Global Approach". The main features of the OpenMTC Release 3 will be introduced.

**Call for Papers**

**ICITSI 2014**
International Conference on Information Technology System and Innovation, Bali, Indonesia, November 24-27, T. Magedanz (TU Berlin/Fraunhofer FOKUS) is TPC. Paper submission: September 15, 2014, [Call for Papers](#)

**Communications Standards Supplement**
Feature Topic on Research & Standards: Advanced Cloud & Virtualization Techniques for 5G Networks: Submission Deadline: 30 November 2014, [Call for Papers](#)

**ICIN 2015**

**NetSys 2015**
International Conference on Networked Systems, Cottbus, Germany, March 9-13, 2015, T. Magedanz (Fraunhofer FOKUS/TU Berlin) is TPC member.
Important Dates: Call for Papers: September 1, 2014, PDF, Call for Tutorials: October 15, 2014, PDF, Call for Demonstrations: October 15, 2014, PDF

**SDNFlex 2015**
Workshop co-located with NetSys2015, Cottbus, Germany, March 9-13, 2015, T. Magedanz (Fraunhofer FOKUS/TU Berlin) is TPC member, Paper Submission: September 26, 2014, Call for Papers

**IEEE NetSoft 2015**
1st IEEE Conference on Network Softwarization, April 13-17, 2015, UCL, London, UK, J. Müller is TCP member, Paper submission: December 15, 2014, Call for Papers

**IM2015**
14th IEEE/IFIP International Symposium on Integrated Network Management (IM 2015), Ottawa, Canada, May 11-15, 2015, T. Magedanz (Fraunhofer FOKUS/TU Berlin) is TPC member. Paper submission: 15 September, Call for Papers

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**Call for Participation – Meet the FOKUS Experts**

**Informa’s Service Delivery Innovations Summit**
London, UK, September 16-17, N. Blum (Fraunhofer FOKUS): “On the convergence of M2M and H2H (Human to Human) Service Control platforms within emerging Smart Cities.” and F. Schreiner (Fraunhofer FOKUS): “Bringing Clouds, SDN and NFV together: towards unified PaaS for both networks and services.”

**SDN&NFV 2014**

**5G Mobile Networks Congress**
London, UK, September 16-17, A. Weber (Fraunhofer FOKUS) will present on the challenges and research directions towards the 5G environment.

**M2M Innovation World Congress**
Smart Services for Vertical Markets, Marseille, France, September 22-24, 2014, A. Al-Hezmi (Fraunhofer FOKUS) is speaker: „OpenMTC Plattform an Enabler for M2M Development and Service Delivery“

**IEEE HealthCom 2014**
Natal, RN Brazil, October 15-18, S. Covaci (TU Berlin) is Tutorial Co-Chair.
WebRTC Summit Europe
Berlin, October 27, N. Blum (Fraunhofer FOKUS) is speaker: “WebRTC – a Cloud-based Front-end for Real-time Communications Services”

IOT 360 – The Gateway to Innovation
Rome, Italy, October 28-29, 2014, T.Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker.

RAN World
Berlin, Germany, November 3-4, J. Müller (Fraunhofer FOKUS/TU Berlin) is speaker: "The Fraunhofer (Open) 5G for Smart Cities Testbeds"

Informa Telecoms and Media Carrier Network Virtualization
Palo Alto, California, 7-9 December 2014, G. Carella (Fraunhofer FOKUS/TU Berlin), M. Corici (Fraunhofer FOKUS), T. Magedanz (Fraunhofer FOKUS/TU Berlin): „Open Stack Optimization and Tools for Carrier Grade NFV Realisation“

Sincerely yours,

Prof. Dr. Thomas Magedanz, TU Berlin/Fraunhofer FOKUS

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