The Fraunhofer FOKUS Business Unit NGNI (Software-based Networks) and the associated Chair for Next Generation Networks at TU Berlin sporadically send newsletters with brief information about their latest activities.
Getting ready for 5G and the Industrial Internet –
Understanding Application Drivers and Technology Evolution towards Softwarized 5G Networks and the Industrial Internet Revolution

November 3 to 4, 2016 in Berlin, Germany

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 new trends, developments and impacts of 5G and related technologies. Benefit from the Fraunhofer FOKUS FUSECO Forum tradition of established tutorial and workshop streams, interactive afternoon workshops, international conferences and demonstrations!

Register right now and take advantage of the early bird discount until 1st September 2016.

Hosted and organized by:
Fraunhofer Institute for Open Communication Systems FOKUS

General Chair: Prof. Dr. Thomas Magedanz, TU Berlin/Fraunhofer FOKUS

Call for Speakers and Sponsoring
If you are interested in speaking at the event or supporting and sponsoring options, please contact us at: info@fuseco-forum.org

More details here:
www.fuseco-forum.org
www.5g-playground.org
www.fuseco-playground.org

Watch the impressions of FOKUS FUSECO Forum 2015!

#BERLIN5GWEEK
31 OCT – 04 NOV 2016

FOKUS FUSECO Forum is part of the #Berlin5GWeek – the week in which three of the biggest conferences in the context of the upcoming 5G, the IEEE CSCN’16, the IEEE 5G Summit and the FOKUS FUSECO FORUM, are taking
IEEE CSCN 2016 – IEEE Conference on Standards for Communications and Networking
October 31 to November 2, 2016

CSCN’16 will deliver a rich technical program discussing the future of mobile communications systems, offering four distinguished keynotes, two panels and a dozen of technical sessions. The sessions consist of technical papers reviewed and selected by an international technical program committee representing both academia and industry, with a strong standardization background.

Call for Papers: [PDF]

Important Dates
Submission Deadline: 1 June 2016
Acceptance Notification: 31 August 2016
Camera Ready: 15 September 2016

IEEE 5G Summit 2016 – 5G Prototyping - Emerging Testbeds, First Trials, and Relevant Standards
November 2, 2016
This one-day summit will provide a platform for industry leaders, innovators and researchers from the industry and academic community to collaborate and exchange ideas in this emerging technology that may help in driving standards and rapid deployment.

Open Baton rel.2 is available
This new release introduces not only additional features on the NFV Orchestrator and Generic VNFM, but also additional components, like the Autoscaling System and the Fault Management System which can be used in combination with the
Orchestrator for achieving high-availability and elasticity at your Virtual Network Function level. Checkout the website for learning about the latest changes: [http://openbaton.org](http://openbaton.org)

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**EMBERS**

**Smart City – Mobility and Transport Meetup Berlin**

The meeting will connect innovators and experts to discuss challenges and new technologies that turn our municipalities into smart cities of the future.

Learn about all the possibilities as a developer, a small enterprise or a municipality to join a new smart city mobility ecosystem built around open APIs.

Don’t miss the opportunity to get involved in smart cities development!

Participation is free of charge, but seating is limited. Please [register here](http://openbaton.org) for seat reservation.

**Meetup Berlin**

**Date:** Tuesday, 5 July 2016, 2pm – 6pm

**Venue:** Fraunhofer FOKUS, Kaiserin-Augusta-Allee 31, 10589 Berlin

**Contact:** Thomas Günther

[Visit the Embers website](http://openbaton.org)

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**Open5GCore-Phoenix Release Branch**

Following the latest development trends and the required software performance for both the control and the data plane, within the Open5GCore context, a new platform was developed addressing especially the low delay data packets processing as well as
native software parallelization and state information control. For more information, please contact us at info@open5Gcore.net

Visit us at our booth and see our demos about Open Baton and 5G Playground! Many experts of our team will have several presentations and demonstrators during the Summit, get in contact with them (info@openbaton.org) for scheduling an appointment and meet on site. Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker: "Open Baton as Keyenabler within the 5G Berlin Initiative and emerging federated SDN Testbeds" in the Futures & Research Track. G. Carella (Fraunhofer FOKUS) is also speaker at the ONOS + CORD Mini Summit: “An overview of the open source NFV framework implemented in the context of the Open Baton project” on the 20th June and will also participate in a panel titled “Adopting Open Source and NFV in the Berlin Mobile Networks Company Landscape” on Wednesday, June 22.

OPNFV Summit

Open5GCore Rel. 2
The Open5GCore Rel. 2 was extended in the direction of cloud-native deployments with additional control plane and data plane load balancing and state sharing mechanisms, through this addressing the software flexibility required for software only deployments.

Visit the Open5GCore website
NGNI will participate at the 21st IEEE Conference on Emerging Technologies and Factory Automation (September 6-9 2016, Berlin) presenting the latest advancements in SDN deployments for increasing flexibility and reliability of dedicated network environments.

Visit the OpenSDNCore website

Fostering the cooperation between the European and Japanese industry in the direction of advanced testbed deployments into the area of 5G, Fraunhofer FOKUS will participate in the middle of July at the kick-off meeting of the 5G!Pagoda project which aims to bind the 5G Playground in Berlin with highly innovative 5G testbeds in Japan.

Visit the 5G!Pagoda Website

On 3-4 May 2016, Prof. Magedanz participated into a two-day workshop in San Francisco, California, together with leaders from the IEEE SDN Initiative, EIT Digital, service providers, industry and academia to discuss the idea of a Federated Testbed (FTB) that would allow accelerated development of SDN and NFV as two important components of 5G era networks. As a result of the meeting it was launched an international Open Federated Testbed Community (OFTC) aiming at interconnecting the 5G Playground with other two testbeds in Europe and USA for stimulating 5G innovation among
researchers. The outcome of these efforts will be reported in the Berlin5GWeek event in November 2016. Contact Prof. Magedanz or Giuseppe Carella for more information. The workshop report and presentations have been posted in the Outreach section of the IEEE SDN portal: Klick here!

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**Call for Papers**

IEEE Conference on Network Function Virtualization and Software Defined Networks  
**Date:** Mon., Nov. 07, 2016 to Wed., Nov. 09, 2016  
**Location:** Palo Alto, California, USA  
Prof. Dr. T. Magedanz (Fraunhofer FOKUS/Tu Berlin) is TBC member.

[IEEE NFV-SDN Call for Papers](#)

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**MobilWare 2016**  
**Date:** Tue., Dec. 13, 2016 to Wed., Dec. 14, 2016  
**Location:** Naples, Italy  
7th International Conference on MOBIle Wireless MiddleWARE, Operating Systems, and Applications. Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is Steering Committee Member.

[More information Call for Papers](#)

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

Software Defined 5G Networks (Soft5G)  
2nd International IEEE Workshop  
**Date:** Fri., June 10, 2016  
**Location:** Seoul, Korea  
Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is Workshop Co-Chair.

[Visit the Soft5G Website](#)
Digitising Europe Series
Date: Mon., June 13, 2016 to Mon., June 13, 2016
Location: Düsseldorf, Germany
Transforming Industries through Gigabit Technology, The Vodafone Institute for Society and Communications, Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin), Panelist, Session ONE: “All things smart: Reshaping industry through networked technology”

More Information

Antenna and Signaling Focus Day at 5G World 2016
Date: Tue., June 28, 2016
Location: London, UK
Prof. T. Magedanz: "Lets get 5G ready - Enabling Innovative 5G Services within the new 5G Berlin Testbed"

More information

6th IEEE International Conference on Communications and Electronics (ICCE)
Location: Ha Long, Vietnam
Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) will give a half day Tutorial at ICCE: " Understanding 5G as the ultimate Software-based Next Generation Network for integrated Human and Machine type Communications".
G. Carella, S. Covaci, T. Magedanz, A. M. Medhat, Q. Thanh Tran (Fraunhofer FOKUS/TU Berlin): "Orchestrating Service Function Chaining in Cloud Environments".

More information

ETFA 2016
Date: Tue., Sep. 06, 2016 to Fri., Sep. 09, 2016
Location: Berlin, Germany
Emerging Technologies and Factory Automation, Prof. Thomas Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker: "An SDN-based Solution for Increasing Flexibility and Reliability of Dedicated Network Environments".

More information
DAAD-Event

Date: Tue., Sep. 20, 2016 to Wed., Sep. 21, 2016

Location: Bremen, Germany

„Fachbezogene Partnerschaften mit Hochschulen in Entwicklungsländern“, Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker: "Understanding Future Internet Technologies enables Smart City Implementations in Emerging Countries – Lessons learned from the DAAD UNIFI project between Germany, Chile, South Africa, Vietnam and Thailand"

More information

Sincerely yours,

Prof. Dr. Thomas Magedanz and the Fraunhofer FOKUS NGNI and TU Berlin/AV team

About Us

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