

NGNI – Software-based Networks Newsletter

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.

23 – 27 April 2018

Hannover Messe 2018



Fraunhofer FOKUS presents with Huawei and partners a technology 4.0 testbed for the use of the communication standard OPC UA and for time-sensitive networking (TSN) applications. Find us in Hall 6, booth D18. The "Berlin Center for Digital Transformation" will be present at the joint stand of the Fraunhofer-Gesellschaft in hall 2, booth C22.

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#Berlin5GWeek 2018

[Interested in sponsoring and supporting?](#)

The 3rd #Berlin5GWeek will take place from November 12 to 16, 2018 - parallel to the OpenStack Summit in Berlin. Are you

interested in sponsoring or supporting?

→ [Contact](#)

→ www.berlin5gweek.org

April 2018

Securing M2M communication already at the protocol level

Weeve is the IoT-blockchain venture of our deHub partner Next Big Thing AG. Together with Weeve, we launched an initiative exploiting the security-enhancing benefits of Weeve's TEE-MQTTS M2M protocol.

→ [More about the initiative](#)

→ [More about deHub](#)

March 2018

Turn-key 5G ready testbed customized for any use case and location



Fraunhofer FOKUS presented its testbed "5G Playground" at the Mobile World Congress. It is already an integral part of the 5G Berlin testbed and can be customized for verticals like industrial communication, eHealth, automotive and media.

→ [More about the 5G Playground](#)

February 2018

Global Cross-Industry Players inaugurate 5G Slicing Association

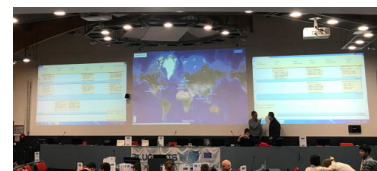
The founding members, China Mobile, Deutsche Telekom, Digital Domain, Fraunhofer FOKUS, Huawei, CEPRI of SGCC, Tencent, TIM and Volkswagen AG announce the inauguration of the "5G Slicing Association". The association will address requirements from vertical industry and the potential application scenarios of 5G network slicing on the way to defining new business models.

→ [More information](#)

January 2018

Our NFV MANO framework Open Baton has been involved in the 2nd ETSI NFV Plugtests

From January 15 to 19, 2018 the second global ETSI NFV Plugtests® event saw high rates of test executions and interoperability for multi-vendor network services. Fraunhofer FOKUS' Open Baton was actively involved in the Plugtests and participated in several interoperability and test sessions with its MANO



solution.



→ [More about the 2nd ETSI NFV Plugtests](#)

→ [More about Open Baton](#)

January 2018

NGI-Workshop – Opportunities for Germany



In January Fraunhofer FOKUS, BMBF, EU DG Connect organised an one day interactive NGI reach-out workshop. The focus was the Next Generation Internet (NGI) - a key priority in H2020 ICT work programme 2018-2020 of the European Commission.

→ [Download the report here](#)

→ [About NGI](#)

Part of the #Berlin5GWeek 2018

FOKUS FUSECO Forum 2018



Preparing Industry Verticals for Edge Computing, Network Slicing & 5G

Nov 15 - 16, 2018

Fraunhofer FOKUS, Berlin, Germany

This year's edition of the FOKUS FUSECO Forum continues the very successful international event series in its ninth year, bringing together international key experts from various industry sectors to discuss the opportunities and challenges of emerging 5G-related information and communication technologies, such as cyber-physical systems, new radio access networks, edge computing, network virtualization, analytics, machine learning, and artificial intelligence, within various key industry sectors in the emerging digital world.

→ www.fuseco-forum.org

→ [Video Impression](#)

Part of the #Berlin5GWeek 2018

Industrial IoT Forum 2018



Future Industrial Internet - How future standards, technologies, paradigms and applications will shape the Industry 4.0



Nov 14, 2018

Fraunhofer FOKUS, Berlin, Germany

The Industrial IoT Forum will present innovations related to IIoT Programmability and Connectivity (Fog Computing, Edge Intelligence, IEEE TSN, 5G, NB-IoT, LoRa), IIoT Interoperability and Security, and IIoT Use Cases (Condition Monitoring, Digital Twins, Retrofitting, Predictive Maintenance, Smart Grid). Major focus areas include:

- Connectivity & Gateways
- Communication & Standards
- Semantics & Analytics
- Programmability & Orchestration

→ www.iiot-forum.org

→ [Video Impression](#)

Part of the #Berlin5GWeek 2018

Edge Computing Forum 2018



The Future of Edge Computing

Nov 13, 2018

Fraunhofer FOKUS, Berlin, Germany

At the Edge Computing Forum the latest technological advancements in the areas of Edge Intelligence, Edge Computing, Fog Computing and autonomous Cyber-physical Systems will be presented alongside best practices and experiences gained from recent testbeds and trials. Leading experts from standards-developing organizations, innovators, first movers and, early adopters present their newest achievements and discuss open issues.

- Connectivity
- Real-Time
- Data Optimization
- Smart Devices
- Security

→ www.ec-forum.org

→ [Video Impression](#)

Meet our experts

May 14 – 16, 2018, Berlin, Germany

Kamailio World 2018

May 14 – 16, 2018, Berlin, Germany

Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker on Tuesday, May 15. The topic is: "Research And Innovation In RTC With 5G" On Wednesday, May 16, Dr.-Ing. Marius Corici (Fraunhofer FOKUS) is speaking.

→ [More Information](#)

May 15, 2018, Vienna, Austria

Informationstechnisches Kolloquium 2018

Topic is "Auf dem Weg zu 5G, der 5. Generation des Mobilfunks". Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker: „Erfahrungen vom Aufbau und Betrieb des offenen 5G-Berlin Testbeds“

July 18 – 20, 2018, Hue City, Vietnam

IEEE ICCE 2018

Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) gives a half day tutorial: "Getting started with 5G – Foundations, Applications, Architecture, Standards & Toolkits"

→ [More Information](#)

Call for Papers

July 9 – 11, 2018, Santa Clara, California, USA

IEEE 5G World Forum 2018

Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is co-chair for the "5G for the Industrial Internet of Things (IIoT)" Track.

→ [Call for Papers](#)

→ [More information](#)



Sincerely Yours,

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

Contact

NGNI Webteam

For feedback please contact the NGNI webteam

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