

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.

» » » SAVE THE DATE » » » SAVE THE DATE » » » SAVE THE DATE » » »

FOKUS FUSECO Forum and IIoT Forum 2019

Save the date: November 6 to November 8, 2019



The 3rd Industrial Internet of Things Forum and the 10th FOKUS FUSECO Forum will take place from November 6 to November 8, 2019. Save the date to attend these two international and highly successful events. Furthermore, there will be a 3rd Edge Computing Forum in 2019. The date will be announced soon, so stay tuned for it!

You will soon find updated information on the event websites:

[-> Edge Computing Forum](#)

[-> Industrial IoT Forum](#)

[-> FOKUS FUSECO Forum](#)



3rd #Berlin5GWeek 2018

Another Great Success in 2018

The 3rd #Berlin5GWeek was a great success again in 2018. With more than 450 attendees from over 30 countries, there were great talks on state-of-the-art technologies. See all the event impressions on the Fraunhofer FOKUS YouTube channel!

[-> Fraunhofer FOKUS YouTube channel](#)

[-> Edge Computing Forum 2018 impressions](#)

[-> Industrial IoT Forum 2018 impressions](#)

[-> FOKUS FUSECO Forum 2018 impressions](#)

» » NGNI & IIoT NEWS » » NGNI & IIoT NEWS » »

13 November 2018

Open5GCore Rel. 4



During the FOKUS FUSECO Forum Open5GCore Rel. 4 was launched, being the first 5G core network implementation featuring a 3GPP Release 15. The new Open5GCore features a large number of new components that enable:

- Integration with 5G NR stand-alone (N1, N2 and N3 interfaces, NAS, NG-AP, GTP)
- Data path diversity support (N4 interface, PFCP)
- A basic implementation of Service-based Architecture (HTTP/2, OpenAPI and REST)

Furthermore, Open5GCore maintains the compatibility with the 4G networks to enable immediate demonstrations using off-the-shelf devices and common base stations, customized to address the specific needs of use cases

For more information, do not hesitate to contact us.

[-> More information can be found here.](#)

13 November 2018

Berlin5GWeek: The future of Cloud Computing is distributed



In industries that rely on robust and secure low-latency communication, centralized clouds will soon be a thing of the past: Edge Computing promises to bring data processing closer to the source. During today's "Edge Computing Forum", Fraunhofer FOKUS and industry partners announced that they are planning to found the "Edge Computing Consortium Europe" in the coming year, to get the technology concept ready for the market more quickly.

Until 2023, Edge Computing is estimated to reach a market value of 18 billion euros (see Wiseguyreports 2018: Edge Computing -Market Demand, Growth, Opportunities and Analysis Of Top Key Player Forecast To 2023). Although the technology is crucial for the Internet of the future, unlike with 5G technologies, barely any industry standards exist. Moreover, there is a need for explanations when it comes to the benefits of on-spot computing power for the industry. Read the full article on our website.

[-> Read the full article on the Fraunhofer FOKUS website.](#)

14 November 2018

Berlin5GWeek/ IIoT Forum: Launch of TSN Interoperability Lab with strategic partner Spirent



At the 2nd international IIoT Forum, Fraunhofer FOKUS' IIoT Center officially launches the TSN Interoperability Lab and enters into a strategic partnership with Spirent Communications.

Together with Spirent's advanced TSN test platforms the TSN Interoperability Lab offers latest TSN protocol, performance and conformance tests for industrial TSN network- and field-devices to its partners. The lab frequently supports TSN plugfests with its TSN and OPC UA testing capabilities and supports the design and integration of complex multi-vendor TSN testbeds. Thomas Schulze, Director of Marketing & Business Development for Automotive, TSN & IIoT at Spirent Communications emphasizes "We are excited to join efforts with Fraunhofer FOKUS' TSN Interoperability Lab team! Together we will foster the proliferation of the de-facto, future-standard networking technology for industrial communications."

[-> TSN Interoperability Lab](#)

Meet Our Experts

February 25-28, 2019, Barcelona, Spain

Mobile World Congress

Meet our 5G experts in hall 7, B81 at the Berlin Partner booth

[-> More info](#)

May 06-08, 2019, Berlin, Germany

Kamailio World 2019

Real-Time Communication Technologies: Fraunhofer FOKUS is co-organizer of Kamailio World 2019.

[-> More info](#)

01-05 April 2019

Meet our Industrial IIoT Experts at the Hannover Messe 2019, April 1 to 5 2019



Our experts will be at Hall 2 (Research and Technology) Booth C22

We will show advancements of our research in the realm of future connectivity and communication in Industry 4.0 environments. Get in contact with us at Hall 2 Booth XX

[-> Learn more about our Industrial IIoT Center](#)

» » » WE HOPE YOU ALL HAD A BEAUTIFUL CHRISTMAS TIME AND WISH YOU A HAPPY NEW YEAR 2019. » » »



We thank you for the good cooperation in 2018 and wish you a happy and successful New Year!

Sincerely Yours,

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

Contact

NGNI Web Team

For feedback please contact the NGNI Web Team.

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