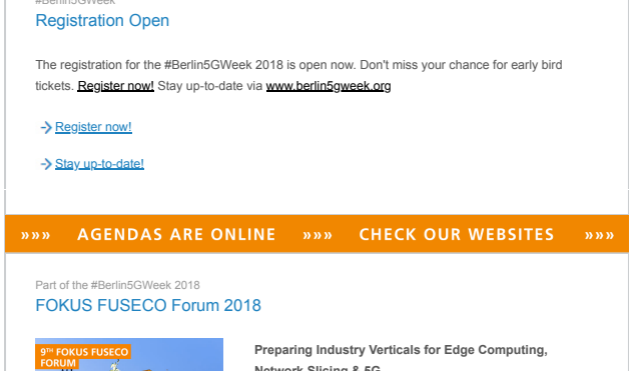


NGNI – Software-based Networks Newsletter

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.



#BERLIN5GEEK

12 NOV – 16 NOV 2018

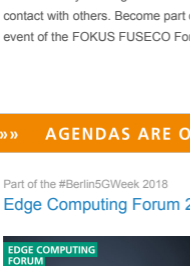
#Berlin5GWeek Registration Open

The registration for the #Berlin5GWeek 2018 is open now. Don't miss your chance for early bird tickets. [Register now!](#) Stay up-to-date via www.berlin5gweek.org

[→ Register now!](#)
[→ Stay up-to-date!](#)

» » AGENDAS ARE ONLINE » » CHECK OUR WEBSITES » » »

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](http://www.fuseco-forum.org)
[→ Agenda - Day 1](#)
[→ Agenda - Day 2](#)
[→ Video Impressions of last year's FOKUS FUSECO Forum](#)

Special Announcement Get Together and Network!

Do you want to reflect on the findings of the day? Do you like to finish the day by networking and connecting with relevant industry partners? Finish the day with a great mixture of an inspiring atmosphere and unique opportunities to get in contact with others. Become part of the "FOKUS Family" and talk with our experts at the evening event of the FOKUS FUSECO Forum. Select to attend the Evening Get-Together and let us meet up.

» » AGENDAS ARE ONLINE » » CHECK OUR WEBSITES » » »

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](http://www.ec-forum.org)
[→ Full Day Agenda](#)
[→ Video impressions of last year's Edge Computing Forum](#)

Special Announcement Meet the Edge Computing Experts!

Are you interested in deepening the findings of the day? Networking with relevant industry partners is one of your greatest interests? Use this opportunity to get in contact with us and industry leaders at the Networking Get-Together of the Edge Computing Forum. Attend the Networking Get-Together by checking the box at the registration for this event.

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

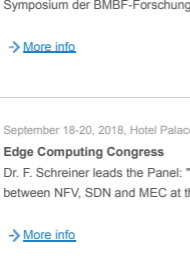
[→ www.iiot-forum.org](http://www.iiot-forum.org)
[→ Full Day Agenda](#)
[→ Video Impressions of last year's IIoT Forum](#)

Special Announcement Special Networking Event in the Evening!

Are you interested in deepening the findings of the day? Networking with relevant industry partners is one of your greatest interests? Take advantage of meeting the Industrial IoT experts in person. Attend the Networking Get-Together by checking the box at the registration for this event.

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

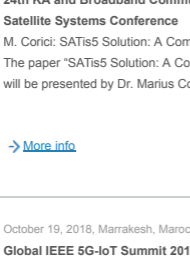
15 August 2018 Open5GCore Release 4 Coming September 2018



Open5GCore Release 4 (planned for September 2018) represents a genuine 5G core network supporting the non-standalone and the standalone 5G New Radio as well as supporting non-3GPP access, enabling the establishment of realistic 5G testbeds. The new release implements the AMF, SMF control plane functions, chaining and parallel usage of UPFs with PFPC protocol and going beyond the support for the 5G service-based architecture, enabling microservices like functionality split. For more information, please contact us at info@open5gcore.org.

[→ www.open5gcore.org/](http://www.open5gcore.org/)

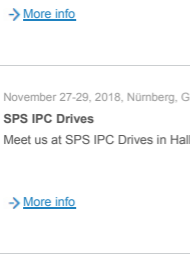
15 August 2018 Berlin's Mayor Michael Müller visits the »Berlin Center for Digital Transformation«



As part of his science tour this summer, the Governing Mayor of Berlin and Senator for Science and Research, Michael Müller, visited the IoT Lab of the Berlin Center for Digital Transformation at the Fraunhofer FOKUS to learn about the numerous projects jointly carried out with the Berlin economy. Read the press release (in German only) on the Fraunhofer FOKUS website.

[→ Read the press release \(in German only\) here.](#)

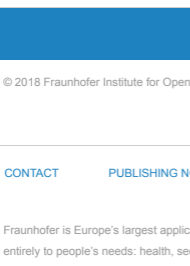
17 August 2018 5G Playground Use Case Updates for 2018



5G Playground is currently the only open German facility included in the 5G PPP Phase 3 projects, enabling the technology transfer through a comprehensive infrastructure for verticals and for the small and medium-sized enterprise networks. 5G Playground includes an outdoor deployment and a portable edge network enabling nomadic scenarios as well as factory shop floor environment support (all due in November 2018) as well as dense urban area and automotive communication (due in February 2019). For more information on the supported use cases, technologies involved as well as for requests of replication of the 5G Playground at different locations around the world, please contact us at info@open5gcore.org

[→ www.5g-playground.org/](http://www.5g-playground.org/)

17 August 2018 SATiS5 - Satellite Communication for 5G Environments



The SATiS5 project aims to showcase the advantages of satellite communications as part of the 5G environment, especially underlining the benefits provided for a large number of multimedia delivery and dedicated IIoT deployments. SATiS5 project aims to practically demonstrate direct and backhaul connectivity using 5G prototypes of satellite and terrestrial components, going towards the foreseen environment beyond 2020. The initial deployment using a satellite network simulator is planned for September 2018 while an over-the-air validation aims to start in November 2018 using the capacity kindly offered by SES over ASTRA satellites.

[→ More information](#)

Meet Our Experts

September 6-8 2018, London, UK
URLLC 2018 – Ultra-Reliable Low Latency Communications
Dr. Marius Corici will be a panelist. For more information see <http://urllc2018.executiveindustryevents.com/Event/programme>.
[→ More info](#)

September 10-11 2018, Berlin, Germany
9th Advanced Satellite Multimedia Systems Conference (ASMS) and 15th Signal Processing for Space Communications (SPSC) Workshop
M. Corici: SATiS5: A 5G Testbed Integrating Satellite and Terrestrial Infrastructures
The paper "SATiS5: A 5G Testbed Integrating Satellite and Terrestrial Infrastructures" will be presented by Dr. Marius Corici at this conference and workshop.
[→ More info](#)

September 11-12 2018, Hotel Palace Berlin, Berlin, Germany
EPC & Next Generation Core Networks World Forum
M. Corici: Evolution of 4G into 5G – Seamless migration and challenges
Visit the Fraunhofer FOKUS 5G Playground equipped with its new Open5GCore on day two!
[→ More info](#)
[→ More information about the 5G Playground](#)

September 12, 2018, Sofitel Berlin, Berlin, Germany
Future Industrial Communication Conference
T. Magedanz (Fraunhofer FOKUS / TU Berlin): "Open Baton & Open5GCore enabling instant customized Industry Network provision", Future Industrial Communication Conference, Nationales Symposium der BMBF-Forschungsinitiativen 5G, Sofitel Berlin, Germany, September 12, 2018
[→ More info](#)

September 18-20, 2018, Hotel Palace Berlin, Berlin, Germany
Edge Computing Congress
Dr. F. Schreiner leads the Panel: "Transitioning to a modernized infrastructure: the relationship between NFV, SDN and MEC at the Edge Computing Congress."
[→ More info](#)

September 23-25, 2018, Berlin, Germany
Industry of Things World
Meet us at Industry of Things World in Hall A: IIoT Strategy, Exhibitor 17!
[→ More info](#)

October 15-18, 2018, Niagara Falls, Canada
24th KA and Broadband Communications Conference/36th International Communications Satellite Systems Conference
M. Corici: SATiS5 Solution: A Comprehensive Practical Validation of the Satellite Use Cases in 5G
The paper "SATiS5 Solution: A Comprehensive Practical Validation of the Satellite Use Cases in 5G" will be presented by Dr. Marius Corici at these conferences.
[→ More info](#)

October 19, 2018, Marrakesh, Morocco
Global IEEE 5G-IoT Summit 2018
Prof. T. Magedanz (Fraunhofer FOKUS/TU Berlin) is speaker: "Open 5G-ready City Testbeds - Experiences from the Berlin 5G Playground", Co-located with WINCOM 2018
[→ More info](#)

November 6-8, 2018, Vancouver, Canada
Industry Conference & Exhibition (IC&E) 2018
Daniel-Ilie Gheorghe-Pop (Fraunhofer FOKUS), in collaboration with Fraunhofer IIS and the NGMN Alliance, demonstrates the capabilities of upcoming 5G networks on URLLC.
[→ More info](#)

November 27-29, 2018, Nürnberg, Germany
SPS IPC Drives
Meet us at SPS IPC Drives in Hall 6, Booth 143!
[→ More info](#)

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.
[→ send Email](#)