IEEE 5G World Forum, IEEE 5G Summit

From September 30 to October 2, 2019, the IEEE 5G World Forum (WF) welcomes its visitors and exhibitors in Dresden, for the first European edition of the event.

As a leading scientific conference, the 5G WF brings together cutting-edge research in the field of 5G technology. On October 1, visitors will also have an opportunity attend the IEEE 5G Summit, the industry-centric sister event taking place alongside the 5G WF. On its three parallel tracks, leading industry representatives will be discussing 5G roadmaps, visions, and initiatives.

On all three days of the event, exhibitors can showcase their products and applications to hundreds of the key decision makers in the field. The combined events are expected to continue the success story started with the IEEE 5G World Forums 2018 and IEEE 5G Summits 2018.

Research Track
5G Technologies, 5G Application and Services, 5G & IoT, 5G Security and Privacy, 5G Trials, Experimental Results and Deployment Scenarios

Industry Track
Keynotes and roundtables with the makers and shakers of the 5G industry

Exhibition
Demonstrators and exhibits from research and industry on more than 10,000 square feet of exhibition space.

https://ieee-wf-5g.org/
http://5gsummit.org/dresden/

Location

International Congress Center Dresden
Devrientstraße 10-12
01067 Dresden
www.dresden-congresscenter.de

INDUSTRIAL RADIO.DE

Industrielles Internet

Taktiles Internet

GEFÖRDERT VOM

Bundesministerium für Bildung und Forschung

Anmeldung unter www.applied-5g.de/reg

5G Future Industrial Communication

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FUTURE INDUSTRIAL COMMUNICATION

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JAHRESTAGUNG BMBF-FORSCHUNGSINITIATIVEN 5G
AT IEEE 5G WORLD FORUM

30. SEPTEMBER 2019 | DRESDEN

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Future Industrial Communication

Progressing standardization, frequency allocation, and first active implementations can lead to the assumption that 5G needs no further research. This view must be clearly contradicted. The widespread introduction of 5G in an industrial context, among other things, still raises open questions, including the subject areas: Local industrial networks, environmental impacts and health aspects, the uses of virtualization, dynamic infrastructure, or service environments.

The annual Future Industrial Communication conference of the BMBF 5G research initiative will this year take place as part of the IEEE 5G World Forum in Dresden. It deals with the questions "Where are we?" and "What is still to be done?", viewed from the users' and the researchers' perspectives.

www.applied-5g.de

Program

5G Future Industrial Communication

11:00   **Welcome by the hosts**
Prof. Dr. Gerhard Fettweis | TU Dresden, 5G Lab Germany
Dr. Andreas Müller | Robert Bosch

11:05   **Session Opening**
Dr. Rainer Moorfeld | VDI/VDE Innovation + Technik

Impulse for Research, Development and Application of 5G

11:10   **AI for Industrial Communication: Delusion or Salvation?**
Prof. Dr. Slawomir Stanczak | Fraunhofer HHI

11:35   **5G Is More than Mobile Radio – Perspectives from the Point of View of an Industrial Company**
Dr. Jan Stefan Michels | Weidmüller Gruppe

11:55   **The Industrial Internet Revisited. Perspectives from the Lens of Networking Research**
Prof. Dr. Matthias Wählisch | Freie Universität Berlin

12:15   **Light Communication for Industrial Applications**
Dr. Anagnostis Paraskevopoulos | Fraunhofer HHI

12:35   **Industrial 5G – What's Next?**
Dr. Andreas Müller | Robert Bosch

12:55   **Industrial Radio Research: Taking the next steps – Announcement**
Dr. Norman Franchi | TU Dresden

13:10   **LUNCH & EXHIBITION AND POSTER SESSION**

Focus on Technology

14:30   **Real-time Transceivers and Systems**
(Research initiative FAST)
Prof. Dr. Frank Ellinger | TU Dresden

15:00   **Design of a Secure Software-defined Access Network for Flexible Industry 4.0 Manufacturing**
(Research project SESAM/Industrial Internet)
Dr. Anagnostis Paraskevopoulos | Fraunhofer HHI

15:30   **Certificate-based Data Communication in Railway Applications**
(Research project SiNSeWa/Industrial Internet)
Prof. Dr. Joachim Rauchfuß, OpenLimit Sign Cubes GmbH

16:00   **COFFEE BREAK**

16:30   **Mobile and Wireless 5G Time Sensitive Networks for Industry 4.0**
(Research project Tacnet/Taktiles Internet)
Dr. Peter Rost | Nokia Bell Labs

17:00   **Bluetooth Mesh under the Microscope: How much ICN is Inside?**
(Research project I3/Industrial Internet)
Hauke Petersen | FU Berlin

17:30   **Results, Perspectives, Conclusion**
Dr. Lutz Stobbe | Fraunhofer IZM
Dr. Gunnar Schomaker | Universität Paderborn
Dr. Norman Franchi | TU Dresden

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