

5G-ACIA @ Hannover Messe 2021 / Digital Edition

# Exhibitor Livestreaming

13 April 2021 | 09:00–09:25 CEST

## Session #1 Fireside Chat with the 5G-ACIA Working Group Chairs on Industrial 5G

**Moderators:** Dr. Andreas Müller (General Chair 5G-ACIA | Bosch) / Dr. Afif Osseiran (General Vice Chair 5G-ACIA | Ericsson)

**With contributions from:** Working Group Chairs

The 5G-ACIA Working Group Chairs give some insights into current and future activities of 5G-ACIA and the status quo of Industrial 5G. WG 1 - Use cases and requirements / WG 2 - Spectrum and operating models / WG 3 - Architecture and technology / WG 4 - Liaison and dissemination / WG 5 - Validation and tests

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13 April 2021 | 13:30–13:55 CEST

## Session #2 Massive Sensor Networks, eSIMs, Edge Computing and more about Industrial 5G

**Moderator:** Dr. Andreas Müller (General Chair 5G-ACIA | Bosch)

**With contributions from:** NXP Semiconductors / HMS Industrial Networks / Infineon / AI-LINK / Druid Software

Various 5G-ACIA members showcase exciting demos on how Industrial 5G may support massive wireless sensor networks, what role eSIMs will play for providing highest levels of security, why edge computing matters, and more.

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13 April 2021 | 18:00–18:25 CEST

## Session #3 5G Performance Validation in a real Factory Environment and 5G Robotic Dog inspects Airport Fence

**Moderator:** Sylvia Lu (5G-ACIA WG4 Chair | u-blox)

**With contributions from:** Bosch / Nokia / Rohde & Schwarz / HMS Industrial Networks / KETI Korea Electronics Technology Institute

Various 5G-ACIA members demonstrate the use of 5G in a real environment: how does 5G perform in a real factory environment, and a tech talk on how 5G can be used to help inspect Denmark's airport fence.

14 April 2021 | 08:30–08:55 CEST

## Session #4 5G-ACIA Demo Session: 5G for Connecting and Locating Mobile Devices

**Moderator:** Dr. Andreas Müller (General Chair 5G-ACIA | Bosch)

**With contributions from:** Ericsson / KION / SICK / CCI-Center Connected Industry / Fraunhofer IIS / Qualcomm

In three short video demonstrations, 5G-ACIA members show how Industrial 5G may be used for safe and more efficient operations of AGVs in the Factory of the Future and for high-accuracy positioning of mobile devices.

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14 April 2021 | 13:30–13:55 CEST

## Session #5 5G-ACIA Demo Session: Industrial 5G for Monitoring and Maintenance and Factory Automation

**Moderators:** Dr. Afif Osseiran (General Vice Chair 5G-ACIA | Ericsson)

**With contributions from:** ifak - Institut für Automation und Kommunikation / VIAVI / Weidmüller / Baicells

In four video demonstrations, 5G-ACIA members show various aspects of Industrial 5G: how performance testing for industrial 5G is done, the importance of system integration in 5G non-public networks, the importance of real-time communication, and finally how end-to-end solutions for cellular network in a factory can be.

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14 April 2021 | 17:30–17:55 CEST

## Session #6 5G AR-based remote Maintenance and Condition Monitoring, 5G TSN for Smart Factories and TSN Solution Benchmarking

**Moderator:** Sylvia Lu (5G-ACIA WG4 Chair | u-blox)

**With contributions from:** Siemens / Qualcomm / IDLab / Phoenix Contact

Various 5G-ACIA members showcase 5G AR-based remote maintenance and condition monitoring in the factory environment, ultra-reliable time-sensitive network in smart factories, benchmarking wireless TSN solution and real-time verification of E2E network performance.

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15 April 2021 | 09:00–09:25 CEST

## Session #7 5G-ACIA Demo Session: Industrial 5G for HMI & Factory Automation

**Moderators:** Dr. Afif Osseiran (General Vice Chair 5G-ACIA | Ericsson)

**With contributions from:** Huawei / Fraunhofer IPT / Ericsson / Verizon & Partners

Through various video demonstrations and interviews, 5G-ACIA members shed the light about two real Industrial 5G deployments in a non-public network in Germany to support several industrial use cases in production for example wireless sensors, mobile robotics, and logistics.