



FRAUNHOFER INSTITUTE FOR OPEN COMMUNICATION SYSTEMS



Wednesday Nov 8th, 2017

9:00 - 10:00: Registration

10:00 - 11:00 WELCOME & OPENING

Welcome to the IIoT Forum

Prof. Dr. Ina Schieferdecker, Fraunhofer FOKUS, Germany

IIoT Key Enablers

Dr. Alexander Willner, Fraunhofer FOKUS, Germany

Dr. Florian Schreiner, Fraunhofer FOKUS / Berlin Center for Digital Transformation, Germany

11:00 - 12:05: SESSION 1

IIoT Programmability: Edge Intelligence, Gateways & Security

Chair: Dr. Florian Schreiner, Fraunhofer FOKUS/Berlin Center for Digital Transformation, Germany

Welcome to Session 1

Dr. Florian Schreiner, Fraunhofer FOKUS/Berlin Center for Digital Transformation, Germany

Fog Computing to Solve Advanced IoT Deployment Challenges

Angelo Corsaro, ADLNK Inc., France

IEEE TSN: The Foundation of Industrial IoT

Wolfgang Leindecker, TTTech, Austria

IoT Security Case Study: hardware-based secure data transmission from the device to cloud

Osvaldo Brito, Francotyp-Postalia InovoLabs, Germany

12:05 - 12:30: coffee & Demo break

12:30 - 13:50: SESSION 2

IIoT Interoperability: Standardization

Chairs: Dr. Andreas Gössling, Hilscher, Germany,
Dr. Alexander Willner, Fraunhofer FOKUS, Germany

Welcome to Session 2

Dr. Andreas Gössling, Hilscher, Germany

The Industrial Internet Consortium (IIC): Roadmap

Patrick Weber, Ferdinand-Steinbeis-Institute, Germany

Application Scenarios and Use Cases in the Internet of Things and their Impact on Standardization

Ulrich Loewen, Siemens, Germany

The Future of oneM2M in the Industrial IoT: Opening up the Potential of the Transport Industry

Alan Carlton, InterDigital Communications, USA

IoT Meets Energy - the VHPready Story

Dr. Thomas Luckenbach, Industrieforum VHPready e.V.

13:50 - 14:45: Lunch & Demo break

14:45 - 15:45: SESSION 3

IIoT Hands-On: Use Cases & Lessons Learned

Chairs: Eckhard Hohwieler, Fraunhofer IPK, Germany

Welcome to Session 3

Eckhard Hohwieler, Fraunhofer IPK, Germany

Application of MEMS Sensors for Condition and Process Monitoring

Dr. Magnus Christian Proebster, Robert Bosch GmbH, Germany

IoT-based Lifecycle Services Implementation – Digital Twins linking Product and Field Data

Dr. Abdelhakim Laghmouchi, Fraunhofer IPK, Germany

Lucas Kirsch, CONTACT Software GmbH, Germany

Beyond Technology: Success Factors for Sustainable IoT Business Models

Dr. Sebastian Wahle, Bosch Software Innovations GmbH, Germany

15:45 - 16:10: Coffee & Demo break

16:10 - 17:35: SESSION 4

IIoT Connectivity: 5G and Industrial Wireless

Chairs: Dr. Julius Schulz-Zander, Fraunhofer HHI, Germany

Welcome to Session 4

Dr. Julius Schulz-Zander, Fraunhofer HHI, Germany

5G and the Factory of the Future

Andrej Budo-Marek, Detecon, Germany

Importance of Industrial Wireless Communication

Dr. Andreas Müller, Robert Bosch GmbH, Germany

Challenges for Wireless IIoT Network Designs

Dr. Bernd Schröder, Brown-IPOSS GmbH, Germany

Challenges and opportunities of 5G for the industrial internet (IIoT)

Günter Boshold, Nokia, Germany

16:10 - 17:35: IM PARALLEL TO SESSION 4

OpenMTC Tutorial

We will launch OpenMTC as open source software.

17:35 - 18:15: PANEL

Challenges and future directions within the Industrial IIoT

Chairs: Dr. Florian Schreiner, Fraunhofer FOKUS/Berlin Center for Digital Transformation, Germany

Dr. Alexander Willner, Fraunhofer FOKUS, Germany

N.N., HUAWEI, China

Angelo Corsaro, PrismTech, UK

Wolfgang Leindecker, TTTech, Austria

Osvaldo Brito, Francotyp-Postalia InovoLabs, Germany

Dr. Andreas Gössling, Hilscher, Germany

Dr. Heiner Lasi, Ferdinand-Steinbeis-Institute, Germany

Ulrich Loewen, Siemens, Germany

Alan Carlton, InterDigital Communications, USA

Eckhard Howieler, Fraunhofer IPK, Germany

Dr. Magnus Christian Proebster, Robert Bosch GmbH, Germany

Dr. Hakim Laghmouchi, Fraunhofer IPK, Germany

Lucas Kirsch, CONTACT Software GmbH, Germany

Dr. Julius Schulz-Zander, Fraunhofer HHI, Germany

Andrej Budo-Marek, Detecon, Germany

Dr. Andreas Müller, Robert Bosch GmbH, Germany

Dr. Bernd Schröder, Brown-IPOSS GmbH, Germany

Günter Boshold, Nokia Solutions and Networks GmbH & Co KG

Li-Fung Chang, DoIT/MOEA, Taiwan

Dr. Georgios Karagiannis, AIOTI

David Garcia Perez, ATOS

Ulrich Ahle, FIWARE

18:15 UNTIL OPEN END: NETWORKING GET-TOGETHER

Keynote

Get-Together Sponsor Talk

N.N., Huawei, China

18:35 - 20:00 PARALLEL TO NETWORKING GET-TOGETHER