

2nd Edge Computing Forum

Nov. 13, 2018 – Fraunhofer FOKUS, Berlin, Germany

Tuesday Nov 13th, 2018

9:00 - 10:00: Registration

10:00 - 11:00

Welcome & Opening

Welcome to the IIoT Forum

Prof. Dr. Manfred Hauswirth, Fraunhofer FOKUS, Germany

Edge Computing Consortium Europe Announcement

ECCE Supporter

Panel Discussion

11:00 - 12:15: SESSION 1

Current Research and Outlook

Welcome

Prof. Dr. Odej Kao, Technische Universität Berlin (TU Berlin), Germany

Edge Computing Architecture: Definition, Requirements and Enablers

Prof. Dr.-Ing. Martin Ruskowski, German Research Center for Artificial Intelligence (DFKI), Germany

Edge Initiatives Today

Prof. Rolf Schuster, Open Edge Computing Initiative, Germany

MockFog: Testing of Fog and Edge Applications in the Cloud

Prof. Dr.-Ing. David Bermbach, Mobile Cloud Computing Research Group, Technische Universität Berlin, Germany

Panel Discussion

12:15 - 13:10 LUNCH & DEMO BREAK

13:10 - 14:25: SESSION 2

Connectivity and Communication

Welcome

Dr. Mathias Bohge, R3 - Reliable Realtime Radio Communications GmbH, Germany

OPC UA TSN as Game-Changing Standard for Edge Applications

Stefan Schönegger, B&R Industrial Automation GmbH, Austria

5G and Multi-Access Edge Computing

Dario Sabella, Intel, Germany

Edge Computing Evolutions Needed to Enable Automation for the Digital Age

André Uhl, Schneider Electric, Germany

Panel Discussion

14:25-14:35 SHORT BREAK

14:35 - 15:45: SESSION 3

Intelligence and Security

Welcome

Thomas Günther, Fraunhofer FOKUS

Machine Learning Based Industrial Edge Analytics for Real-Time On-Site Insight

Peter Seeberg, Softing Industrial Automation, Germany

Huawei Edge Cloud Services – Cloud at Your Finger Tip

Sean Wang, Huawei, USA

Edge Broker - Handling Time-Sensitive Data at the Edge

Juliane Müller, Edge Broker GmbH, Germany

Panel Discussion

15:45 - 16:10 DEMO BREAK

16:10 - 17:25: SESSION 4

Platforms and Management

Welcome

Heinrich Munz, KUKA, Germany

Akarino Edge Computing Project

Bob Monkman, Arm, USA

Edge Computing and Connectivity for Mindsphere

Robert Schwarz, Siemens, Germany

Open Edge Computing for Industry 4.0
Dr. Klaus Wölfel, Nexedi GmbH, Germany

Panel Discussion

17:25-17:35 SHORT BREAK

17:25 - 18:50: SESSION 5

Use Cases

Welcome

Johannes Reich, SAP, Germany

Edge Computing for Smart Manufacturing

Dr. Sebastian Ritz, iNNOVO Cloud GmbH, Germany

Edge Computing Use Case Experiences on Connectivity

Farid Singh, Take 3 Innovate, GB

NERVE for Remote Asset Management and Controls

Georg Stöger, TTTech, Austria

Panel Discussion

18:50-19:10 ECCE SUPPORTER TALK

19:10 EVENING GET-TOGETHER