

Edge Computing Forum

Nov. 7, 2017 – Fraunhofer FOKUS, Berlin, Germany

Tuesday Nov 7th, 2017

9:00 - 10:00: Registration

10:00 - 11:00: WELCOME & OPENING

Introduction

Welcome to the Edge Computing Forum
Prof. Dr. Thomas Magedanz, Fraunhofer FOKUS, Germany

The Edge Computing Consortium (ECC)
Swift (Shaowei) Liu, HUAWEI, China

Organization of the Edge Computing Forum
Dr. Alexander Willner, Fraunhofer FOKUS, Germany

11:05 - 11:45: SESSION 1

Connection - System interconnection challenges within wired and wireless industrial networks.

Cloud based control service challenges and opportunities
Lou Zhe, HUAWEI, China

Connecting the Edge via Industrial Wireless
Dr. Andreas C. Wolf, Dr. Wolf Wireless GmbH, Germany

11:45 - 12:40: Lunch & Demo break

12:40 - 13:40: SESSION 2

Real-Time - Response time and reliability challenges for the control of industrial systems.

Edge Computing as Enabler for the Industrial Internet of Things / Industrie 4.0

Wolfgang Leindecker, TTTech, Austria

Real Edges Act in Real-Time

Marquart Franz, SIEMENS AG, Germany

Orchestration of Real-Time Functionalities to the Edge

Dr. Simone Mangiante, Vodafone, UK

13:40 - 14:05: Coffee & Demo break

14:05 - 14:45: SESSION 3

Data Optimization - Harmonization and aggregation challenges of heterogeneous data streams.

Data Optimization Accelerate Edge Application

Ionut Deaconeasa, Intel, Germany

Connecting on the Edge - Merging protocols for a joint functionality

Dr. Andreas Gössling, Hilscher, Germany

14:45 - 15:10: COFFEE & DEMO BREAK

15:10 - 16:10: SESSION 4

Smart - Process optimization and automation challenges at intelligent edge devices.

Computational Mesh on the Edge –The Power of Many Together: IBM Queryplex

Alexander Körner, IBM Deutschland GmbH, Germany

From Edge to Distributed Clouds

Colin Alexander, ARM, UK

A Smarter Edge: What we can learn from the Smart Building Sector

Paul Rogers, Tridium Europe (independent business entity of Honeywell International.), UK

16:15 - 17:00: SESSION 5

Security - Data protection and access control challenges at devices, the network and applications.

The Challenges of Security for Dynamic Edge Systems

David Bowden, Dell, USA

End-to-end Security Derived from a Hardware Based Root of Trust
Stein Myrseth, ForgeRock, Norway

17:00 - 17:40: PANEL

Edge Computing: major challenges and future directions

All Speakers

17:40 - 20:00: Networking