

IEEE 5G-IoT Summit Helsinki

Summit Program



18 September 2017 — Helsinki, Finland

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Program

<p>09:00 – 10:40</p> <p>Welcome Message & Summit Keynotes</p>	<ul style="list-style-type: none"> ◆ Welcome Message, Riku Jantti, Professor and Department Head, Communications & Networking Department, School of Electrical Engineering, Aalto University, Finland ◆ Keynote 1: “5G for the Programmable World,” Lauri Oksanen, VP Research and Technology, Nokia Bell Labs, Finland ◆ Keynote 2: “Toward 5G Deployment in 2020,” Takehiro Nakamura, VP and General Manager of 5G Laboratory, NTT DOCOMO, Inc., Japan ◆ Keynote 3: “5G Role in Smart Energy Systems & Factories of the Future,” Simo Saynevirta, Group VP, Platform Engineering, Digital ABB, ABB Group, Finland
<p>10:40 – 11:00</p>	<p style="text-align: center;"><i>Coffee Break</i></p>
<p>11:00 – 12:40</p> <p>Session 1: 5G Ecosystem & Verticals – Industrial Internet Potential</p> <p><i>Chair: Matti Latva-aho, Professor, University of Oulu, Finland</i></p>	<ul style="list-style-type: none"> ◆ “Wireless for Verticals,” Mikko A. Uusitalo, Head of a Research Department, Wireless Advanced Technologies, Nokia Bell Labs, Finland ◆ “Platforms Economy Enabled by 5G, Cyber Security, AI and IoT – and the Finnish Twist,” Mika Klemettinen, Programme Manager, Tekes – the Finnish Funding Agency for Innovation, Finland ◆ “Towards 5G Commercial Deployment,” Janne Peisa, Leader of Ericsson Research 5G Standardization Program, Ericsson Research, Finland ◆ “Industrial internet deployment: what new benefits will 5G bring?,” Jari Collin, CTO, Telia Finland Oy, Finland ◆ “Industrial use cases of 5G,” Martti Mantyla, Professor, Computer Science Department, Aalto University, Finland
<p>12:40 – 14:00</p>	<p style="text-align: center;"><i>Networking Lunch</i></p>
<p>14:00 – 15:00</p> <p>Session 2: 5G’s Programmable World</p> <p><i>Chair: Konstantinos Samdanis, Principal Researcher, Huawei, Germany</i></p>	<ul style="list-style-type: none"> ◆ “Network Slicing – An operator’s perspective,” Kashif Mahmood, Research Scientist, Telenor Research in Telenor Group, Norway ◆ “IoT/5G Network Softwarization and In-Network Deep Learning,” Akihiro Nakao, Chair, 5GMF Network Architecture Committee, Professor, the University of Tokyo, Japan ◆ “IoT and the Link with 5G,” Christele Bouchat, Standardization Strategy Executive - CTO Office, Nokia, Belgium ◆ “The Use Case for 5G / Wireline Convergence,” Barbara Stark, Lead Member of Technical Staff, AT&T, USA ◆ “Fixed Mobile Convergence and 5G,” Georgios Karagiannis, Principal Strategist in Standardization and Industry Development, Huawei Technologies Dusseldorf GmbH, Germany
<p>15:00 – 16:00</p> <p>Session 3: 5G Vertical – Healthcare Potential</p> <p><i>Chair: Christoph Thuemmler, Edinburgh Napier University, UK</i></p>	<ul style="list-style-type: none"> ◆ “The power of 5G to drive personal health,” Ian Hay, Chair of the Global Technical Committee, PCHAlliance (Personal Connected Health Alliance), Head of Emerging Ecosystems, Orange, France ◆ “From Research to Innovation: The Italtel path towards 5G Healthcare,” Crosta Paolo Secondo, Head of Project Financing, ITALTEL SPA, Italy ◆ “Large Scale Application Model potential of eHealth technology under 5G AP,” Christoph Thuemmler, Professor, Edinburgh Napier University, Member of the Global5G.org External Advisory Board, UK ◆ “Health Use cases Enabled by 5G,” Milla Immonen, Senior Scientist & Project Manager, VTT Technical Research Centre of Finland Ltd., Finland
<p>16:00 – 16:30</p>	<p style="text-align: center;"><i>Coffee Break</i></p>
<p>16:30 – 17:30</p> <p>Session 4: 5G Vertical – Automotive & UAV Potential</p> <p><i>Chair: Zhenhui Yuan, RobSens Technologies. Co.ltd, China</i></p>	<ul style="list-style-type: none"> ◆ “Drones will be everywhere and their safe use needs advanced wireless capabilities,” Tero Heinonen, Chairman at ArcticRED Ltd, Finland; Founder & board member, Sharper Shape Inc., USA ◆ “5G and UAV Use Cases,” Richard Wiren, Senior Solution Architect, Ericsson Research, Finland ◆ “Roadside-assisted V2V messaging with 5G mobile edge computing,” Manabu Tsukada, Assistant Professor, Graduate School of Information Science and Technology, The University of Tokyo, Japan ◆ “UAV Management System based on IoT Platform and U2X Networks,” Jaeho Kim, Team Leader/Management Researcher, Korea Electronics Technology Institute, Korea
<p>17:30 – 18:30</p> <p>Session 5: 5G Standards – IEEE Role?</p> <p><i>Chair: Mehmet Ulema, Professor, Computer Information Systems Manhattan College, USA</i></p>	<ul style="list-style-type: none"> ◆ “IEEE 1914 NGFI (XHAUL): building the transport foundation for 5G”, Jouni Korhonen, Nordic Semiconductor, Norway ◆ “Micro operator driven 5G ecosystem for local service delivery,” Marja Matinmikko, University of Oulu, Finland ◆ “Thoughts on Standardization of Spectrum Sharing Solutions for 5G,” Oliver Holland, King's College London, UK ◆ “The IEEE/ComSoc ecosystem for Innovation and Standardization in 5G-relevant Technologies,” Alex Gelman, CTO, NETovations Consulting Group, USA
<p>19:00 – 21:00</p>	<p style="text-align: center;">Social Dinner (Venue to be announced on site)</p>