

SUNDAY 24 MARCH, 2019		MONDAY 25 MARCH, 2019		TUESDAY 26 MARCH, 2019	
IEEE FUTURE NETWORKS TUTORIALS		IEEE 5G SUMMIT		1st 6G WIRELESS SUMMIT	
9:30-12:30	Tutorials 1,2,3 Tutorial 1: Mérouane Debbah, Huawei <i>Beyond 5G: What will it be?</i> Tutorial 2: Henk Wymeersch, Chalmers University <i>mmWave Localization: on the convergence of sensing and communication beyond 5G</i> Tutorial 3: Riku Jäntti, Aalto University <i>Ambient and Quantum Backscatter Communications</i>	8:30	Opening Session Ashutosh Dutta, IEEE JHU/APL Ari Pouttu, University of Oulu Matti Latva-aho, University of Oulu 9:00 Keynote Session <i>Chair: Ari Pouttu</i> Lauri Oksanen, Nokia Wen Tong, Huawei 10:00 Coffee Break and Exhibits 10:30 Invited Session <i>Chair: Arto Maaninen</i> Taavi Hirvonen, Bittium Janne Peisa, Ericsson Sudhir Dixit, Ashutosh Dutta, IEEE	8:30	Keynote Session <i>Chair: Matti Latva-aho</i> Peter Vetter, Nokia Bell Labs Wen Tong, Huawei 10:00 Coffee, Posters and Exhibits 10:30 Special Session <i>Chair: Kari Leppänen</i> Magnus Frodigh, Ericsson Juho Lee, Samsung Takehiro Nakamura, NTT DoCoMo Qi Bi, China Telecom Eric Hardouin, Orange
12:30	Lunch	12:00	Lunch	12:30	Lunch
13:30-16:30	Tutorials 4 & 5 Tutorial 4: Ullrich R. Pfeiffer, University of Wuppertal <i>Integrated Circuit Design for Terahertz Applications</i> Tutorial 5: Petar Popovski, Aalborg University <i>Future IoT connectivity</i>	13:00-14:30	Parallel Technical Sessions 1-4 5G and Industry <i>Chair: Luigi Arditto</i> Linus Thrybom, ABB Automation Andreas Mueller, Bosch Petri Hovila, ABB Energy Olli Liinamaa, Nokia Matti Vakkuri, Tieto 5G for Verticals I <i>Chair: Jussi Haapola</i> Juha Alamursula, Business Oulu Rui L. Aguiar, University of Aveiro Markus Mettälä, Traficom Matti Vappula, Realmax Verticals and Test Networks I <i>Chair: Jaakko Sauvola</i> Mika Klemettinen, Business Finland Mikko Uusitalo, Nokia Ari Pouttu, University of Oulu Jose Costa Requena, Aalto University Marjo Heikkilä, Centria Juha Kalliovaara, TUAS Beyond 5G Enablers I <i>Chair: Rahim Tafazolli</i> Hirley Alves, University of Oulu Arto Klami, FCAI Steven LaValle, University of Oulu Mikko Valkama, Tampere University Raimo Kantola, Aalto University 14:30 Coffee and Exhibits	13:30-15:00	Invited Session 1, Technical Sessions 1 & 2 Invited Session 1 <i>Chair: Ari Pouttu</i> Bernard Barani, EU Commission Kwon Dong-Seung, ETRI Rahim Tafazolli, University of Surrey Fan Chen, ZTE Tanbir Hague, Interdigital Technical Session 1 <i>Chair: Hirley Alves</i> Mohamed Slim-Alouini, KAUST Petar Popovski, Aalborg University Seppo Yrjölä, Nokia Harish Viswanathan, Nokia Bell Labs Jean-Claude Belfiore, Huawei Technical Session 2 <i>Chair: Nandana Rajatheva</i> Raja Sattiraju, University of Kaiserslautern Preben Mogensen, Nokia Bell Labs Janne Peisa, Ericsson Federico Clazzer, German Aerospace Center Ashutosh Dutta, IEEE 5G Initiative
19:00-21:00	Get-together The Gold Digger Bar&Lounge, Hotel Panorama (7th floor of the Conference Hotel)	15:00-16:30	Parallel Technical Sessions 5-8 5G Devices and Networks <i>Chair: Ulrich Pfeiffer</i> Tapio Rautava, UROS Harri Saarnisaari, University of Oulu Janne Koistinen, Telia Alain Mourad, InterDigital Luigi Arditto, Qualcomm Ville Salmi, MediaTek 5G for Verticals II <i>Chair: Rui L. Aguiar</i> Jorma Kivelä, JUTEL Mohammad Patwary, Birmingham City University Sudhir Dixit, Basic Internet Foundation Riku Jäntti, Aalto University Pål Gronsund, Telenor Verticals and Test Networks II <i>Chair: J Oppermann</i> Kyösti Rautiola, VTT Olli Liinamaa, Nokia Anna-Greta Nyström, Åbo Akademi Harri Posti, University of Oulu MuhammadAsghar, University of Jyväskylä Sasu Tarkoma, University of Helsinki From Open Call <i>Chair: Mikko Uusitalo</i> Stefano Buzzi, University of Cassino Ashwin S. Rao, University of Helsinki Jari Hulkkonen, Nokia Jyh-Cheng Chen, National Chiao Tung University Dick Carrillo, Lappeenranta Univ. of Technology Uma Chunduri, Huawei 16:30 Closing of the IEEE 5G Summit	15:00	Coffee, Posters and Exhibits 15:30-17:00 Invited Session 2, Technical Session 3 Invited Session 2 <i>Chair: Marja Matinmikko-Blue</i> Zhisheng Niu, Tsinghua University Ullrich Pfeiffer, Wuppertal University Ian Oppermann, NSW Data Analytics Centre Henning Schulzrinne, Columbia University Technical Session 3 <i>Chair: Mehdi Bennis</i> Sandra Lagen, CTTC Yoann Corre, SIRADEL Marco Giordani, University of Padova Emilio Calvanese Strinati, LETI Werner Haselmayr, Johannes Kepler University 17:00 Break
	All conference sessions will take place at Levi Summit Congress and Exhibition Centre Program subject to change without notice	17:00	16:30 Closing of the IEEE 5G Summit 18:00 Magic Mystery Tour (per invitation only) Start from Hotel Panorama Entrance 21:00-23:00 Banquet Dinner Saamen Kammi, Hotel K5 Courtyard, Levi Village	17:00	Break 17:30 6G Flagship views on 6G Challenges <i>Chair: Matti Latva-aho</i> Matti Latva-aho, University of Oulu Kari Leppänen, University of Oulu Mehdi Bennis, University of Oulu Aarno Pärssinen, University of Oulu Tarik Taleb, University of Oulu Marja Matinmikko-Blue, University of Oulu Harri Saarnisaari, University of Oulu and Jaap van de Beek, Luleå University of Technology 19:00 Closing of the 1st 6G Wireless Summit
					Program subject to change without notice