IEEE 5G Greece Summit

Tuesday, July 11, 2017
Thessaloniki, Greece
Conference Centre of Piraeus Bank (12-14 Katouni st., Thessaloniki, Greece)

Program

Opening Session
(08:45 – 09:00)
Prof. Ramjee Prasad and Minister Nikos Pappas

Panel: The Global 5G Vision, Standardization and Telecommunication Policies
(09:00 – 10:45)
Moderator: Kostas Pentikousis (Travelping GmbH, Germany)

NR - The new 5G radio access
Erik Dahlman (Ericsson Research, Sweden)

Towards a 5G mobile system architecture - standardization update
Mariana Goldhamer (4GCelleX, Israel)

Spectrum and regulatory considerations for the 5G
Dimitrios Vergados (Hellenic Telecommunications and Post Commission, Greece)

5G Phase 1 Standardization: Reality Check
Riccardo Trivisonno (Huawei, Germany)

5G, a Network Operator’s Point of View
Tilemachos Doukoglou (COSMOTE S.A., Greece)

The path to 5G: Impact & challenges for MNO network
Argiris Darzentas (Vodafone Group Services Limited, Greece)

ZTE vision on 5G technology - Leading 5G Innovations
Victor Pascual (ZTE, Spain)

5G and its business potential for digitalization
Maria Boura (Ericsson South East Europe, Greece)

Coffee Break (10:45 – 11:00)
Session 1: The Network and Verticals Perspective
(11:00 – 13:30)

Platforms for Advanced Wireless Research (PAWR): Exploring a new Research Paradigm
Abhimanyu Gosain (PAWR Project Office, Northeastern University, USA)

5G Network Slicing for Industry Vertical
Xavier Costa-Perez (NEC Laboratories Europe, Germany)

5G Network Slicing: Use Cases and Key Technologies
Konstantinos Samdanis (Huawei, Germany)

Emerging 5G technologies and insights from experiments with selected vertical domains
Panagiotis Demestichas (University of Piraeus, Greece)

Network Slices Towards 5G Communications
Kostas Katsalis (Huawei Munich, Germany)

5G and Automotive The Perfect Storm
Carla Fabiana Chiasserini (Politecnico di Torino, Italy)

5G-Transformer: 5G Mobile Transport Platform for Verticals / 5G-Crosshaul Project overview and Demo Activity
Carla Fabiana Chiasserini (Politecnico di Torino, Italy)

Network slicing: A key technology for 5G & its impact on virtual mobile network operators
Athanasios Lioumpas (CYTA Hellas, Greece)

Forthnet / Nova in 5G
Manolis Chaniotakis (Forthnet Group, Greece)

Towards a Future Multi-Service Mobile Network Architecture
Mahesh K. Marina (The University of Edinburgh, UK)

Lunch Break (13:30 – 14:00)

Session 2: The 5G eco-system and IoT
(14:00 – 15:15)

Narrow-band IoT: an opportunity to extend IoT world with 5G
Gennaro Boggia (Politecnico di Bari, Italy)

Spatial Modulation Based on Reconfigurable Antennas – A New Air Interface for the Internet of Things
Marco Di Renzo (CNRS – CentraleSupelec, France)

Toward haptic communications for IoT in 5G
Jean-Marie Gorce (INSA de LYON, France)

Green Virtualization for Multiple Collaborative Cellular Operators: Benefits and 5G Challenges
Elias Yaacoub (Arab Open University, Lebanon)
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COOL: Common Optimization and Operation framework based on network utility theory for 5G technologies & IoT
Symeon Papavassiliou (NTUA, Greece)

Session 3: The Radio Perspective for 5G
(15:15 – 16:30)

Research Challenges towards Ultra-Reliable Wireless Communications
Petar Popovski (Aalborg University, Denmark)

Low Cost Massive MIMO: A key technology for 5G
Michalis Matthaiou (Queen’s University Belfast, UK)

A different look to Massive MIMO
Ana Garcia Armada (UC3M, Spain)

Terrestrial communication in X/K bands aided by hybrid antenna arrays & precoding techniques
Constantinos B. Papadias (Athens Information Technology, Greece)

Millimeter-Wave Based Networking in 5G Communication Systems
Claudio Fiandrino (IMDEA, Spain)

Battle of the Waveforms for 5G
Gunes Karabulut Kurt (Istanbul Technical University, Turkey)

Coffee Break (16:30 – 16:45)

Session 4: European Research Projects on 5G
(16:45 – 19:00)

Framework for the Design, Development and Orchestration of 5G-ready Applications and Network Services, over Sliced Programmable Infrastructures
Panagiotis Demestichas (University of Piraeus, Greece)

The 5G COHERENT Architecture
Kostas Pentikousis (Travelping GmbH, Germany)

5G-XHaul: A wireless-optical transport network with SDN control for converged fronthaul and backhaul services in 5G
Anna Tzanakaki (University of Bristol, UK)

5G-PICTURE - Programmable Infrastructure Converging disaggregated network and compute Resources
Anna Tzanakaki (University of Bristol, UK)

5G automation and qualification frameworks serving energy networks
Artemis Voulkidis (Synelixis, Greece)

SLICENET End-to-End Cognitive Network Slicing and Slice Management Framework in Virtualised Multi-Domain, Multi-Tenant 5G Networks
Anastasius Gavras (Eurescom, Germany)
VirtuWind: Virtual and Programmable Industrial Network Prototype deployed in operational Wind Park
Andreas Miaoudakis (FORTH Hellas, Greece)

5G ESSENCE: Embedded Network Services for 5G Experiences
Olga E. Segkou (Orion Innovations PC, Greece)

Main aspects and impact of 5G-Phase II projects Bluespace, 5G-Media and Slicenet
George Agapiou (COSMOTE S.A., Greece)

5G-Xcast, developing Broadcast and Multicast capabilities for the 5G
Louis Christodoulou (Samsung, UK)

5G-PHOS Project: 5G integrated Fiber-Wireless networks exploiting existing photonic technologies for high-density SDN-programmable network architectures
George Kalfas (Aristotle University of Thessaloniki, Greece)

Closing Session
(19:00 – 19:15)