Joint Expert Group and Vision Group Workshop
Room Molière,
Palais des Congrès of Issy les Moulineau,
Paris, France
29th June 2015

Workshop on "Looking Beyond 5G"
The workshop objective is to identify disruptive technologies and clean-slate approaches for new, very advanced communication systems.

Presentation slots are 15 minutes long. In order to have a very dynamic workshop with good discussions on the technical topics, each presenter should prepare a 10 minutes presentation and be prepared for 5 minutes discussion.

Program

Welcome and Introduction

10:00-10:30
Welcome by Expert Group Chair and Vision Group Chair
Arturo Azcorra, IMDEA Networks and Univ. Carlos III, Expert Group Chair
Jean-Sebastièn Bedo, Orange, Vision Group Chair

Session One, Chair: Paul Müller

10:30-10:45
Software Defined Testbed
Paul Müller, University of Kaiserslautern

10:45-11:00
Applying RINA as a Clean-Slate Approach to Software Networks
Diego R.Lopez, Telefonica

11:00-11:15
Towards Software Networks beyond 5G
C.J. Bernardos, H2020 5GEx Project

11:15-11:30
"Gluing technologies" as drivers of future communication systems
Elisa Rojas, Telcaria Ideas

Session Two, Chair: Ralf Steinmetz

11:30-11:45
Location Aware Information - Opening new Frontiers for Technology beyond 5G
Ralf Steinmetz, Technische Universität Darmstadt

11:45-12:00
Information-Centric Networking: Cisco vision on 5G and beyond
Giovanna Carofiglio, CISCO

12:00-12:15
5G Converged Networks: System Design and Evolution Path
Rui Aguiar, Instituto de Telecomunicações/DETI, Universidade de Aveiro

12:15-12:30
Measuring QoS/QoE in 5G/Beyond-5G environments
Rui A. Costa, Ubiwhere

12:30-14:00 Lunch Break

Session Three, Chair: David Larrabeiti

14:00-14:15
Elastic optical networks in a converged backhaul-metro beyond-5G scenario
David Larrabeiti, H2020 Xhaul Project

14:15-14:30
Energy Efficient Backhaul for Highly Dense Urban Areas
David Grace and/or Alister Burr, University of York

14:30-14:45
Non coherent massive MIMO for 5G and beyond
Ana García Armada, University Carlos III of Madrid

14:45-15:00
The 2019 spectrum shared jungle
Jaime Mancebo and/or Julián Seseña, A-CING

15:00-15:15
Cooperative resource management in 5G small cell networks
Christos Bouras, University of Patras

15:15-15:45 Coffee Break

Session Four, Chair: Holger Karl

15:45-16:00
Predictive/Anticipatory Systems
Holger Karl, Universität Paderborn

16:00-16:15
Zero-Delay Communication
Paul Müller, University of Kaiserslautern

16:15-16:30
Network and Device Management in NG Mobile Environments
Andreas Mauthe, Lancaster University

16:30-16:45
Machine-to-Machine Communications: Beyond 5G
Sinem Coleri Ergen, Koc University

Discussion and Wrap-up, Chair: Arturo Azcorra/ Jean-Sebastièn Bedo

16:45-17:15
Organization of future Workshops and Workshop Wrap-up

17:15-17:45
Expert Group Workplan and related actions

18:00
Workshop closure, hard deadline