

**Joint Expert Group and Vision Group Workshop**  
Room Molière,  
Palais des Congrès of Issy les Moulineau,  
Paris, France  
29<sup>th</sup> 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.

Registration is mandatory at the link:

<https://www.eventbrite.de/e/networld2020-expert-group-workshop-tickets-16560153866>

**Draft 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

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