



Joint Expert Group and Vision Group Workshop
“Networld 2020 Strategic Research Agenda”

Bologna, Italy
16th March 2016, 9:00 to 18:00

AGENDA

Welcome and Introduction

9:00-9:15

[Welcome by Expert Group Chair and Vision Group Chair](#)

Arturo Azcorra, IMDEA Networks and Univ. Carlos III, Expert Group Chair

Jean-Sébastien Bedo, Orange, Vision Group Chair

9:15-9:30

[Inaugural address](#)

Werner Mohr, Head of Research Alliances - Technology and Innovation, Nokia

Experimentation with verticals, Chair: Roberto Verdone

9:30-9:45

[5G - Using UAVs for Better Connectivity](#)

Roberto Verdone, University of Bologna

9:45-10:00

[Audiovisual media services in the 5G environment](#)

Darko Ratkaj, EBU (European Broadcasting Union)

10:00-10:15

[5G Playground – a flexible 5G environment tailored for the verticals](#)

Ilie Daniel Gheorghe Pop, NGNI – Fraunhofer FOKUS Institute

10:15-10:30

[Integrating verticals with the 5G communications network for E2E experimentation](#)

Raul Muñoz, CTTC

10:30-10:45

[Complementary Mobile Operator Business Models to Facilitate Fast Emergence of Digitized Society](#)

Matti Latva-aho, University of Oulu

10:45 – 11:15 Coffee break

Virtualised Network and Services, Chair: Jaime García-Reinoso

11:15-11:30

[Intent Based Networking](#)

Pedro Aranda, Telefonica I+D

11:30-11:45

[Lightweight EPC Virtualization for Mobile Network Operators](#)

Felipe Gil, University of Vigo

11:45-12:00

[Standing on the shoulders of Softwarisation](#)

Jaime Garcia-Reinoso, University Carlos III of Madrid

12:00-12:15

[Network softwarization, network management and energy efficiency: friends or foes?](#)

Franco Davoli, University of Genoa

12:15 – 13:15 Lunch break

Radio Networks, Chair: Alessandro Vanelli-Coralli

13:15-13:30

[Wireless ultra-reliable low-latency device-to-device communication](#)

Thomas Zemen, Austrian Institute of Technology

13:30-13:45

[V2X Communications: The Killer Application of Millimeter Wave](#)

Nuria González-Prelcic, University of Vigo

13:45-14:00

[On the integration of terrestrial and satellite systems in future 5G networks: a waveform perspective](#)

Alessandro Vanelli-Coralli, University of Bologna

14:00-14:15

[Self-Organising and Programmable Virtual Cloud Radio Access Network for 5G and Beyond](#)

Hamed Al-Raweshidy, Brunel University London

14:15-14:30

[Signal Processing Challenges for Communications beyond 5G](#)

Giuseppe Caire, TU Berlin

14:30-14:45

[Beyond 5G: Toward the Terabit Wireless Era](#)

Emilio Calvanese, CEA-LETI

14:45 – 15:15 Coffee break

Optical Networks, Chair: Alexandro Stavdas

15:15-15:30

[Next Generation Fixed-Wireless Converged Access Networks](#)

Alexandro Stavdas, University of Peloponnese

15:30-15:45

[Guaranteed Service Packet-Based WDM co-hauling](#)

Carla Raffaelli, University of Bologna

15:45-16:00

[Second thoughts on common home objects: Lamps and home gateways](#)

Ioannis Neokosmidis, INCITES

Discussion and Wrap-up, Chairs: Arturo Azcorra, Jean-Sébastien Bedo

16:00 – 17:00

Verbal presentations of key ideas not in the main program

17:00 – 18:00

[Expert Group Workplan and related actions](#)

18:00

Workshop closure, hard deadline

If you want to attend the workshop, please remember to **register before March 13 (hard deadline)**, by using the online registration form:

<https://www.eventbrite.de/e/joint-expert-group-and-5g-vision-working-group-workshop-registration-21422964664>

More information about the workshop and Wi-Fi access form here:

<http://networld2020.eu/joint-expert-group-and-vision-group-workshop/>