



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
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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
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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/>