

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

Bologna, Italy  
16<sup>th</sup> March 2016, 9:00 to 18:00

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**Defining the Strategic Research Agenda**

The workshop objective is to promote a lively debate on technologies, innovative ideas and cutting-edge research and innovation directions within or beyond the phase 1 of 5G approaches, which are being discussed nowadays.

We welcome short position contributions with disruptive ideas, to promote interesting discussions during the workshop. Thus, we are looking for presentations introducing the most important challenges and opportunities and the different approaches to tackle them.

The aim of the workshop is to discuss advanced research topics related with the evolution of 5G and beyond, taking into account the relevance of the various next-generation terminals required.

The event will consist in one single track with four sessions:

- Virtualized Network and Services: Horizontal and Vertical Slicing, fluid resources, federation, orchestration, cell-less networks, all in an NFV/SDN and virtual environment.
- Radio Networks: Software Defined Radio, Cloud Radio Access Networks (C-RAN), Fronthaul, mmWave, Advanced Signal processing, new wave forms, and more.
- Optical Networks: Evolution of Passive Optical Networks (PONs), Visible Light Communication (VLC), Enhanced Wavelength Division Multiplexing (WDM), and more.
- Experimentation with verticals: Ehealth, Industry 4.0, Entertainment, Transport, Energy, and other relevant vertical

The contributions on 5G large scale pilots should take into account global positioning and show how it would be an advantage for EU compared to Korea/Japan Olympics. Whenever possible, contributions should highlight the differences on deployment of the considered technology in Europe compared to the rest of the world. Contributions should take into account the relevant standardisation/spectrum milestones. When relevant, the relationship with IoT, Big Data and Cyber Security should be brought forward to show the specificities of 5G research work.

Received contributions will be reviewed by experts on these areas, and accepted presentations will be organised in the different sessions. The result of the workshop will later be turned into a written report that we will deliver to the Commission, for their consideration in respect to future relevant research topics.

### Submission Instructions

Submit the title and abstract of your contribution in plain text via email to [igr@it.uc3m.es](mailto:igr@it.uc3m.es). Indicative abstract length is half a page. If your proposal is accepted, you will have to submit the slides of your presentation and register to attend the workshop. Please, have in mind that we want to organise a very dynamic one-day workshop, so prepare your presentation for ten minutes sharp.

### Important Dates

Abstract submission:	February 24, 2016 – 17:00 CET ( <b><u>hard deadline</u></b> )
Notification of decision:	February 29, 2016
Slide-set submission:	March 9, 2016
Workshop date:	March 16, 2016 at Bologna, Italy