

## Welcome to the EuCNC'2016 Weekly Newsletter #3

The 3rd **Newsletter** of EuCNC2016 brings to you more detailed updates of the European Conference on Networks and Communications 2016, which will take place in Athens, from the 27th to the 30th of June.

In this **newsletter** you may find: inside information on the **Keynote Speakers**, a very interesting interview of the **EC Officer Mr. Bernard Barani**, detailed information on the **three Panels** (on **Verticals, Architecture and ICT in 5G**), as well as the agenda for the **4th 5G PPP Phase 2 Information and Stakeholders Day**, which is going to be held in conjunction with the EuCNC2016!

Join the events for seeing the latest status of **5G technologies**, for **networking**, and for advancing your **proposal ideas**.

## EUCNC'2016 KEYNOTES

### Mr. Georgios A. Onopas

Director of the fixed & mobile Access Networks Department of OTE Group, Greece  
["5G & IoT: Accelerating Digital & Transforming Everything"](#)

### Dr. Edward G. Tiedemann, Jr.

Senior Vice-President, Engineering Qualcomm Technologies, USA  
["The Dawn of 5G II: Vision, Technology, and Progress"](#)

### Dr. Chih-Lin I

Chief Scientist on Wireless Technologies, China Mobile Research Institute, China  
["Mid-Point of 5G Journey"](#)

### Mr. Alain Servel

Expert in ADAS and ITS, PSA Groupe, France  
["5G radio access for a multiservice integration"](#)

## INTERVIEW



**Interview with Bernard Barani (Acting Head of Network Technologies Unit, DG CONNECT- European Commission and Vice-chair of EuCNC2016 Steering Committee)**

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***The European Commission is investing in 5G, e.g., through the 5G PPP program. What are the expectations for the European society and economy? Are there relations with the DSM initiative?***

The DSM initiative, and notably the third pillar, targets a fast transition towards a digital economy. The Commission published on 19 April a package of proposals on "Digitizing the European Industry", which includes several support measures to various technological sectors. 5G is a key part of those and is considered in that context as the enabling network infrastructure for the emergence of new digital business models of vertical industries like the automotive, health, or smart factory sector. From a policy perspective, 5G support is hence integral part of the European efforts to develop a soaring and prosperous digital economy.

***What are the next steps of 5G developments in Europe?***

Thanks to research that started as early as in 2011, Europe is part of the leading regions for 5G technological know how and excellence. Many 5G European projects, be they originated from FP7 or from Horizon 2020, are world references in their technological domain. Lots of progress have been done on radio interfaces, Radio Access Network architecture, network management aspects. An upcoming technological challenge will be to design the virtualised core network architecture which has the flexibility to support multiple business models of vertical industries with the required levels of versatility. Beyond technology, it is very important that European actors do leverage their technological excellence in the context of key standardisation bodies like 3G PP, where the formal standardisation work has now started. Spectrum is another key issue where early choices need to be rapidly done, taking into account that the US, South Korea and Japan have officially announced their intention to identify 5G frequency bands in 2016, and Europe should not be lagging behind. Finally, there is a need to define with all concerned actors a coordinated strategy for 5G introduction in Europe, and the Commission is actively committed to that through the launch of the 5G action plan by Commissioner Oettinger, at last MWC 2016 in Barcelona.

***The European Commission is the major sponsor and supporter of the EuCNC conference for years. How would you describe the agenda of this year's conference? What should an attendee expect?***

This year's agenda of EUCNC is again a mix of very high calibre scientific papers with sessions and workshops providing a higher level of visibility on the major trends in the sector, and the main developments that the industry is embracing. World reputation key note speakers and high level panels will also offer a perspective that ranges from the microelectronic enabling technology platforms to requirements of vertical sectors and how 5G will be integrated within their connectivity requirements. 5G is high on the agenda of this year's conference, but it is not limited to that, with several speeches on beyond 5G technologies. Participants will thus be offered with deep insight into leading edge, state of the art technological R&D in Europe for 5G and beyond, and at the same time will have the opportunity to listen how these technologies could be applied in the context of major use cases such as automotive or health. One of the big added value of EUCNC is undoubtedly the demonstration area and this year, with more than 30 demo booth, we can be pretty sure that this will again be a great attraction of the conference.

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## EUCNC'2016 PANELS

### [Panel 1: 5G for Vertical Industries – Major Challenges and Opportunities Ahead](#)

Tuesday, 28 June, 14:30–16:30, room to be defined  
 Organizer: Andreas Müller (Robert Bosch GmbH, Germany)

### [Panel 2: 5G Architecture](#)

Wednesday, 29 June, 14:30–16:00, room to be defined  
 Organizer: Simone Redana (Nokia Bell Labs, Germany)

### [Panel 3: ICT consolidation in 5G. The role of Software Networks](#)

Thursday, 30 June, 14:30–16:00, room to be defined  
 Organizer: Diego R. Lopez (Telefonica I+D, Spain)

## THE 4TH 5G PPP PHASE II INFORMATION & STAKEHOLDERS DAY

The 4th (and last) 5G PPP Phase 2 Information and Stakeholders Day is going to be held in conjunction with the EuCNC2016! Join the events for seeing the latest status of 5G technologies, for networking, and for advancing your proposal ideas.

### AGENDA – Afternoon: 5G–PPP Phase 2 Information session

14:00 Opening and Welcome

Representative of the EU Commission: Bernard Barani, EC

5G–I–Association: Werner Mohr, 5G–I–A

Introduction of Online Dialogue tool: Jacques Magen, 5G–I–A

14:10 Introduction of the 5G–PPP Call for Phase 2 projects, Bernard Barani, EC

ICT–07–2017: 5G PPP Research and Validation of critical technologies and systems

ICT–08–2017: 5G PPP Convergent Technologies

Phase 2 contractual specificities, clause 41.4 (Q/A)

14:30 Introduction to Phase 2 5G–PPP proposal preparation

Phase 2 preparatory steps (Q/A), Werner Mohr, 5G–I–A

A structured approach to 5G–PPP phase 2 (Q/A), Didier Bourse, 5G–I–A

SME involvement in 5G–PPP phase 2 (Q/A), Jacques Magen, 5G–I–A

*15.00–15:30 Coffee break*

### AGENDA – Afternoon: Participant profiles

15:30 Stakeholders presentations and proposals, Moderator: Werner Mohr

Max 5 mins per presenter – Strict timing will be enforced!!

17:00 Open discussion and questions

17:30 End of Event

[Registration form](#)

## EUCNC'2016 BASICS

### [What is EuCNC'2016 brief history?](#)

The EC has sponsored a successful series of conferences in the area of Telecommunications/Networks, since 1992, in order to showcase the results of the consecutive programmes on R&D, and the projects co-financed by these programmes.

In 2014, the name "EuCNC – European Conference on Networks and Communications" has been adopted and related to the objectives of the new Framework Programme, Horizon2020.

The topics of the conference kept the broad perspective of the previous editions, and including satellite communications as well.

The EuCNC'2016 brings **the Dawn of 5G** in Greece, which hosted three more times in the past the preeminent organization (1998 Rhodes Island, 2002 Thessaloniki, 2006 Mykonos).

## EUCNC'2016 The Dawn of 5G

[PROGRAMME](#)

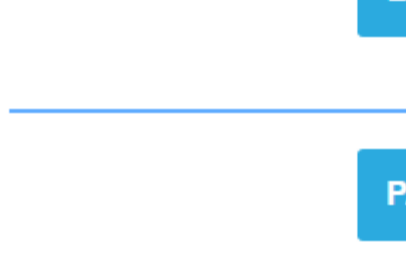
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\*This edition of the conference is organized by the **University of Piraeus** & the **Institute of Communication and Computer Systems / National Technical University of Athens**, via the Coordination & Support Action EuConNeCts2, Project H2020-ICT-2014-1/645028.