

Workshop on Mobile Cloud Networking

Thursday, 19th June 2014

Centro de Congressos, Pavilhão de Civil, IST, Lisboa

This workshop, co-organised by IEEE ComSoc (chapters.comsoc.org/Portugal) and MCN (Mobile Cloud Networking, an EC FP7 R&D project, www.mobile-cloud-networking.eu), addresses the convergence between the areas of mobile communications and cloud computing. It aims at discussing the extension of the concept of cloud computing beyond data centres, towards mobile end-users. Within this vision, a service combining mobile networking, computing, and storage will be offered elastically, on-demand, and only paid per use. A novel business player, the mobile cloud provider, is foreseen, driving the requirements for a mobile network architecture that exploits and supports cloud computing, and enabling the exploitation of the concept of an “end-to-end Mobile Cloud” for novel applications. Two scenarios are envisaged. One addresses the reduction of CAPEX/OPEX to sustain ARPU, the key idea being to exploit cloud computing as an infrastructure for future mobile networks deployment and operation, addressing both radio access and core networks. The other is more visionary, illustrating how a future provider is envisioned in order to commercially exploit innovative value-added services.

PROGRAMME

9h30-9h40: **Welcome**, Luis M. Correia (IST - Univ. Lisbon / INOV-INESC, Portugal)

9h40-11h00:

- **Mobile Cloud Networking**, Thomas M. Bohnert (ZHAW, Switzerland)
- **Cloud Technologies in Mobile Core Networks**, Rui Gomes (Vodafone, Portugal)
- **End-to-End Cloudification of Mobile Telecoms**, Andy Edmonds (ZHAW, Switzerland)
- **Cloud and the New ICT Consumption Models in Corporate Environments**, José Pereira (Novabase, Portugal)

11h00-11h30: Coffee break

11h30-12h50

- **Function Virtualisation in a Cloud world**, Rui Aguiar (Univ. Aveiro / IT, Portugal)
- **SDN, NFV & Cloud - Transforming Networks**, Raul Caldeira (Ericsson, Portugal)
- **Cloudified IMS for NFV-Based Architectures**, Giuseppe Carella (Tech. Univ. Berlin, Germany)
- **From SDN to SDC: Software Defined Cloud**, Fernando Carvalho (PT, Portugal)

12h50-14h00: Lunch

14h00-15h00:

- **An Architecture to Offer Cloud-Based RAN as a Service**, Dominique Pichon (Orange, France)
- **Using Emulation Techniques to Speed up the Convergence between Mobile Communications and Cloud Computing**, Manuel Ricardo (Univ. Porto / INESC, Portugal)
- **EPC as a Service Live Demonstration**, Marius Corici (Fraunhofer FOKUS, Germany)

15h00-15h30: Coffee break

15h30-16h30: **Panel Discussion**: Luis M. Correia (IST - Univ. Lisbon / INOV-INESC, Portugal), Thomas Bohnert (ZHAW, Switzerland), Fernando Carvalho (PT, Portugal), Raul Caldeira (Ericsson, Portugal), Rui Aguiar (Univ. Aveiro / IT, Portugal)

FREE ENTRANCE

Registration in http://info.grow.inov.pt/comsocpt/workshop_mcn.html until the 12th June.