

Recent Advances in LTE-A

Webcast Type:

Technology and Business Panel

[2010 IEEE Wireless Communications & Networking Conference](#)

Webcast URL:

javascript:openWin('https://dl.comsoc.org/comsocdl/DRM-authentication.action?path=LoginUser&tutorialid=892835','500','700','Shopping Cart')

Status:

Free for Members

Duration:

108minutes

Presentation Date:

Sun, 04/18/2010

Free to Members Date:

Mon, 04/18/2011

Organizer: Dr. Tarik TALEB, NEC Laboratories Europe, Germany

Chair: Dr. Bin Li, Advanced Wireless Research Labs, Huawei Technologies, Shenzhen, China

LTE-Advanced, or LTE Release 10 and beyond as known within the 3GPP community, represents an evolution of LTE and is motivated by different requirements from both operators and end-users. A major requirement of LTE-A consists in achieving peak data rates equal to 1Gbps and 500 Mbps on downlink and uplink, respectively and that is via an extensive usage of advanced MIMO technologies and transmission bandwidth wider than 70 MHz. The peak spectrum efficiency is also required to be doubled in comparison with Rel. 8 LTE. Spectrum flexibility, backward compatibility, reduction of control plane delay, relaying, and vast deployment of indoor eNB and Home NB are all important requirements that feature LTE-A.

This panel hosts panelists from two major vendors, namely NEC and Huawei, one panelist from Telstra, the largest mobile operator in Australia, and a panelist from CSIRO, an internationally-notable research institute in Australia. The panelists will be discussing the need for LTE-A, the potential that it offers to the different stakeholders and the end-users, and highlight the hurdles that are still to be overcome to make of the LTE-A vision a reality.

Panelists:

Dr. Boon Loong Ng, NEC-A RAN1 3GPP delegate, NEC Australia

Mr. Phong Nguyen, Principal Engineer, NEC Australia.

Mr. Ganesh Bharatula, Emerging Technology Manager, CTO, Telstra, Australia
Dr. Iain Collings, Research Director, Wireless Networking Lab, CSIRO, Australia

Authors:

Ng, Boon Loong
Nguyen, Phong
Bharatula, Ganesh
Collings, Iain

Source URL: <http://www.comsoc.org/webcasts/view/recent-advances-lte>