

2nd IEEE Lebanon Communications Research Day (LCRD'14)

Organized by the IEEE Communications Society, Lebanon Chapter

In Collaboration with the Faculty of Engineering,

Notre Dame University – Louaize, North Lebanon Campus,

Location: NDU – NLC, Municipality Street, Barsa, El Koura.

Date: Saturday May 3, 2014

Detailed Program

08:30 – 09:00 **Welcome and Registration**

09:00 – 09:30 **Opening Session**

- Dr. Chady El Moucary, Local Organizing Committee, *Notre Dame University*
- Dr. Bachar ElHassan, Chair of IEEE Comsoc, Lebanon Chapter, *Lebanese University*
- Father Samir Ghsoub, Director of NDU – *North Lebanon Campus*

09:30 – 10:00 **Plenary Session I** [Chair: Dr Sara Abou Chakra, *Lebanese University*]

- **New Trends in Wireless Vehicular Networks**, Dr. Rola Naja, *Beirut Arab University*

10:00 – 10:30 **Coffee Break**

10:30 – 12:30 **Session I: Mobile communications** [Chair Dr. Yousef Nasser, *American University of Beirut*]

- **On the 5G mobile evolution and resource management in TDD-OFDMA networks**, Ahmad ElHajj, *American University of Beirut*
- **Access Networks Optimization Using Genetic Algorithm**, Salah El Falou, *Lebanese University*
- **A Novel Algorithm to Reduce Power Consumption of Mobile Networks**, *Bachir Assaf, Khaled Al Hage Ismaïl, Michel Nahas, Lebanese International University*
- **Latest trends in mobile development**, Hani Hmadeh, *Lebanese University* and *White Label Mobile, Tripoli*
- **Solar-Powered Independent 3G Communication Node**, Michel Owayjan, Ali Ismail, Firas Danaf, Fahed Dandash, Joseph Dagher, and Hasan Osseili, *American University of science and Technology*
- **Energy Consumption Adaptation in Green Femtocell LTE Networks**, Maryam Rammal, Rola Naja and Youmni Ziadeh, *Beirut Arab University*

12:30 – 14:30 **Plenary Session II** [Chair Dr. Ahmad El Hajj, *American University of Beirut*]

- **Mobile Communications Evolution: 4G and Beyond**, Dr. Michel Nahas, *Lebanese International University*

13:00 -14:00 **Lunch**

- **New Trends in Antenna Technology**, Dr. Ali Harmouch, *Lebanese University*

14:30 – 15:30 **Session II: Networking** [Chair: Dr. Chafik Mokbel, *University of Balamand*]

- **IEEE 802.15.5 Hop-2 Resource Allocation Mechanism**, Samar Sindian, Ayman Khalil, Abed Ellatif Samhat, Matthieu Crussière and Jean-François H elard, *Universit e Europ eenne de Bretagne, France, Islamic University and Lebanese University.*
- **Service Ontology for WSN around CoAP**, Lina Nachabeh, Bachar ElHassan, *Lebanese University*, Marc Girod Genet, *Telecom SudParis*
- **Multi-Homing in Information-Centric Networks**, Ghina Dandachy, Nada Chendeb, *Lebanese University*, Salah Eddine ElAyoubi and Tijani Chahed, *Telecom SudParis*
- **Multilevel Graphical Modeling for System of Systems: Bondgraph Model for a Wireless Communication Link with Redundancy**, Ahmad Koubeissi, Mohammad Ayache and Rochdi Merzouki, *Polytech Lille, University of Lille 1, France and Faculty of Engineering, Islamic University of Lebanon.*

15:30 – 15:45 **Coffee Break**

15:45 – 16:45 **Session III: Coding and Antenna** [Chair: Dr. Ghassan Kraidy, *Notre Dame University*]

- **Frequency Steganography Technique based on DC**, Bassem Bakhache and Milia Habib, *Lebanese University*
- **Analysis and design of space-time block codes for coded MIMO transmissions**, Ammar El Falou, *Telecom Bretagne and Orange Labs, France.*
- **RCA-based Fault Management Techniques for Large-Scale Networks**, Rima Hleiss and Hassan Helweh, *Lebanese University*, Jad Nassreddine, *Mobinets*
- **Sectional Cylindrical Waveguide with longitudinally distributed slots**, Ali Harmouche and Hassan Haddad, *Lebanese University*

16:45 –17:00 **Closing session** [Chair: Mr. Hikmat Adhami, *Ogero*]

IEEE LCRD'14 Co-Chairs:

Dr. Bachar El Hassan [Lebanese University]

Dr. Chady El Moccary [Notre Dame University]

Sponsored by: The Lebanese Association for Scientific Research, LASeR

