



IEEE Communications Society - Your Global University

Zaher Dawy
Chair, IEEE ComSoc Lebanon Chapter

IEEE LCW'11
November 12, 2011



Is the Internet broken?

What are biological transistors?

How can batteries breathe?

What are the top 10 tech cars of 2011?

What are the top 11 technologies of the last decade?

How did Andrew Viterbi invent the Viterbi algorithm?

Is wireless power real?

Can MRI machines tell when someone is lying?

IEEE answered all these questions
in the last 12 months



Do you want to learn about:

- The internet of things
- Power line local area networking
- Machine to machine communications
- Hetnets and femtocells
- Smart grids
- Next generation optical networks
- Mobile broadband evolution
- Green radio

IEEE Communications Society addressed
all these topics in the last 12 months



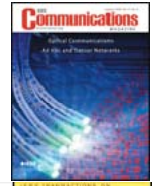
IEEE ComSoc: Quick Facts

- ❑ World's leading membership organization for telecom professionals (founded in 1972)
- ❑ Membership totals:
 - More than 50,000 higher grade members
 - Around 60 ComSoc members in Lebanon
- ❑ Mission: The IEEE Communications Society promotes the advancement of science, technology and applications in communications and related disciplines. It fosters presentation and exchange of information among its members and the technical community throughout the world. The Society maintains the highest standard of professionalism and technical competency.



IEEE ComSoc Membership Benefits

- ❑ Subscription to IEEE Communications Magazine
 - Latest information in the communications field
- ❑ Low rates on society publications
 - Magazines and transactions
- ❑ Participation in technical committees and local chapters
- ❑ Discounted admission at conferences/workshops
- ❑ Free tutorials/webinars
 - WiMAX, LTE, Femtocells, DVB, etc.
- ❑ Access to electronic publications



<http://www.comsoc.org/membership>



IEEE ComSoc: WCET



- ❑ Professional Certification Program

More details: <http://www.ieee-wcet.org>



IEEE ComSoc Lebanon: Objectives

- ❑ **Telecom advancement:** Provide society members, professionals, and students with knowledge on fundamentals, state-of-the-art advances, and future trends.
- ❑ **Telecom awareness:** Increase awareness among the general public about telecommunications and its impact on issues of public concern.
- ❑ **Industry-university collaboration:** Strengthen the ties between the industry and academic institutions.
- ❑ **Society membership:** Reach out to current IEEE Communications Society members and to students and professionals in order to attract more people to join the IEEE Communications Society.



Executive Committee (since Jan. 2011)

- Chair: Dr. Zaher Dawy [AUB]
- Vice-Chair: Mr. Mohamad Ayoub [TRA]
- Treasurer: Dr. Ghassan Kraidy [NDU]
- Secretary: Dr. Sara Abou Chakra [LU]
- Industry Relations: Dr. Bachar El Hassan [LU]
- Membership Relations: Dr. Elias Haddad [ESIB]
- Web Development: Mr. Paul-Marc Bougharios



IEEE Lebanon Communications Workshop (IEEE LCW)

IEEE LEBANON COMMUNICATIONS CHAPTER & TELECOMMUNICATIONS SOCIETY

2008 IEEE LEBANON COMMUNICATIONS WORKSHOP (IEEE LCW'08)
Beirut Arab University
SATURDAY, MAY 17th, 2008

2009 IEEE LEBANON COMMUNICATIONS WORKSHOP (IEEE LCW'09)
AMERICAN UNIVERSITY OF BEIRUT
HOSTLER AUDITORIUM
SATURDAY NOVEMBER 21, 2009

2010 IEEE LEBANON COMMUNICATIONS WORKSHOP 2010 (IEEE LCW'10)
LEBANESE UNIVERSITY
FACULTY OF ENGINEERING
SATURDAY DECEMBER 18, 2010

PROGRAM

08:00-08:30	REGISTRATION
08:30-09:00	OPENING SESSION
09:00-10:00	PLENARY SESSION (CYBERCRIME & CYBERWARFARE) (UNICRI-United Nations International Crime & Justice Institute)
10:00-10:30	COFFEE BREAK
10:30-13:15	TECHNICAL SESSION I (NETWORK & CYBER SECURITY) (Cisco, SecuroISN-Technologies, Bell of America, ESCWA, Lebanese University)
13:15-14:00	LUNCH
14:00-16:00	TECHNICAL SESSION II (MOBILE SECURITY: FROM GSM TO LTE) (AIR, ISECare Oy Finland, Ericsson Research Sweden)

REGISTRATION FEE:

Student (IEEE Member)	15,000 L.L.	Includes C17
Student (Non-Member)	20,000 L.L.	Includes C17
Professional (IEEE Member)	40,000 L.L.	Includes C17
Professional (Non-Member)	50,000 L.L.	Includes C17

ON SITE REGISTRATION: (places are limited, register soon)

Student	15,000 L.L.	L17 processing
Professional	50,000 L.L.	L17 processing

PROGRAM

08:00-08:30	REGISTRATION
08:30-09:00	OPENING SESSION
09:00-10:30	4G WIRELESS TECHNOLOGIES (DETECON CONSULTING, NOKIA SIEMENS NETWORKS)
10:30-11:00	COFFEE BREAK I
11:00-13:00	NEXT GENERATION BROADBAND NETWORKS (ERICSSON, TRA, CISCO)
13:00-13:30	COFFEE BREAK II
13:30-14:45	PANEL DISCUSSION ON ELECTROMAGNETIC RADIATION (AUR, IUI, RHUH, TRA, ALFA)
14:45	LUNCH

CORPORATE SUPPORTERS: Detecon, Cisco, Nokia Siemens Networks, National Instruments.

IEEE LCW 2011

Special thanks to:

- ☐ LAU
- ☐ MTC Touch 
- ☐ BMB
- ☐ Cisco
- ☐ Nokia Siemens Networks



IEEE COMMUNICATIONS SOCIETY Lebanon Chapter

In collaboration with LAU Lebanese American University

IEEE Lebanon Section

IEEE Lebanon Communications Workshop 2011 (IEEE LCW'11)



Lebanese American University
Irwin Hall Auditorium
Saturday November 12, 2011

PROGRAM

8:00 - 8:30	Registration
8:30 - 9:00	Opening Session
9:00 - 10:30	Emergency Communications: Challenges and Regulation (ITU Telecommunication Development Bureau, TRA)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Emergency Communications: From Satellites to Social Media (Telecom Bretagne, IT University of Copenhagen)
12:30 - 13:30	Interactive Panel Discussion with Telecom Experts
13:30 - 14:30	Lunch
14:30 - 17:00	Emerging Topics: Liquid Net, Cloud Computing, and 3G in Lebanon (Nokia Siemens Networks, Cisco, MTC Touch)



IEEE LCW 2011: Technical Program

09:00 – 10:00 **Prof. Laurent Franck**, *Télécom Bretagne, France*

Satellite Communications for Emergency: From Concepts to Products

10:30 – 11:15 **Ms. Sahar Cheayto**, *Spectrum Policy Expert, Telecom Regulatory Authority (TRA)*

Emergency Telecommunications Plan

11:15 – 12:00 **Prof. Irina Shklovski**, *IT University of Copenhagen, Denmark*

Mediating Crisis: The Use of Social Media in Disaster Response

12:30 – 13:30 **Interactive Panel Discussion on Emergency Communications**

Mr. Patrick Eid [TRA], Mr. Hani Raad [International Amateur Radio Union], Prof. Laurent Franck, Prof. Irina Shklovski, Lebanese Army Representative]

14:30 – 15:15 **Mr. Mohammed Al-Hashimi**, *Senior Systems Engineer, Cisco Systems*

Inside the Cloud: Shifting Five Nines to 100

15:15 – 16:00 **Mr. Mazen Osta**, *Network Planning Team Leader, MTC Touch*

Introduction of 3G Technology in Lebanon

16:00 – 17:00 **Mr. Jose Ruiz**, *Manager, Mobile Broadband Solution Development, Nokia Siemens Networks (NSN)*

Mobile Broadband Evolution

Enjoy IEEE LCW'11

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