



**INTERNATIONAL WORKSHOP ON  
THE FUTURE OF WIRELESS NETWORKING  
ATLANTA, USA APRIL 11, 2014**

**CENTERGY ONE Building; 5<sup>th</sup> Floor; Boardroom 5126, 75 5<sup>th</sup> St NW, Atlanta, GA**

**10:00 – 10:10 OPENING AND WELCOME: Ian F. Akyildiz & Bige D. Unluturk**

**SESSION 1: Advanced Wireless Networks**

**Chair: David Manuel Gutierrez Estevez**

**10:10 – 10:30 Andreas Pitsillides** (University of Cyprus), *Explore and Exploit in Wireless Ad Hoc Emergency Response Networks*

**10:30 – 10:50 Giacomo Morabito** (University of Catania), *A Security Take on Timing Channels in Wireless Networks*

**10:50 – 11:10 Eylem Ekici** (Ohio State University), *Throughput-Efficient Channel Allocation in Multi-Channel Cognitive Vehicular Networks*

**11:10 – 11:30 Coffee Break**

**SESSION 2: Wireless Sensor Networks**

**Chair: Abdullah Al Shehri**

**11:30 – 11:50 Enrico Natalizio** (Université de Technologie de Compiègne), *Controlled Mobility For Sensor and Robot Networks*

**11:50 – 12:10 Tommaso Melodia** (University at Buffalo, The State University of New York), *Towards Ultrasonic Networking for Implantable Sensor Networks*

**12:10 – 12:30 Can Vuran** (University of Nebraska-Lincoln), *Empirical Channel Modeling for Wireless Underground Communications*

**12:30 – 13:30 Lunch**

**SESSION 3: Applications**

**Chair: Ahyoung Lee**

**13:30 – 13:50 Hango Balasingham** (University of Oslo), *Ultra Wideband: From Communications to Medical Imaging*

**13:50 – 14:10 Yahia Tachwali** (Agilent Technologies), *Joint Analog-Digital Design and Rapid Prototyping using Agilent SystemVue for Software Radio Research*

**14:10 – 14:30 Dario Pompili** (Rutgers University), *Demystifying Mobile Grid Computing*

**14:30 – 14:50 Coffee Break**

**SESSION 4: Nano-Scale & Molecular Communication**

**Chair: Youssef Chahibi**

**14:50 – 15:10 Marcello Caleffi** (The University of Naples Federico II), *Biological Networks: Building Communication Networks with Living Organism*

**15:10 – 15:30 Josep Sole Pareta** (Universitat Politecnica De Catalunya), *Introducing Graphene and its Impact in the Nanocommunications*

**15:30 – 15:50 Yevgeni Koucheryavy** (Tampere University of Technology), *Nano Communications Center at TUT*