

# LOCAN Workshop Program

## 9:00 Welcome and Introduction

### 9:15 Keynote Speech

Dr. Cecilia Mascolo, University College London.

### 10:15 Session 1: Topology Control

Topology Control Algorithms: a qualitative study during the sensor networks life,  
Karel Heurtefeux, Fabrice Valois

Energy-aware On-demand Scatternet Formation and Routing,  
Tomas Johansson, Lenka Carr-Motyckova

### 10:45 Coffee break

### 11:15 Session 2: MAC Layer

Lower-Priority-Triggered Distributed MAC-layer Priority Scheduling in Wireless Ad Hoc Networks,  
Turgay Korkmaz, Wei Zhou

Energy-Efficient State Scheduling with Coverage Constraint for the Monitoring Sensor Networks,  
Ali Chamam, Samuel Pierre

A Novel Synchronization Algorithm for IEEE802.11 TDMA Ad Hoc Network,  
Zheng Wen, Ung Heo, Jaeho Choi

### 13:00 Lunch break

### 14:00 Session 3: Routing

Performance Enhancement in AODV with Accessibility Prediction,  
Habib-ur Rehman, Lars Wolf

A Hybrid Hierarchical Multi-Hop Wireless Network: From Wireless Sensors to the Fixed Infrastructure,  
Chiara Buratti, Roberto Verdone

Semi-Beaconless Power and Cost Efficient Georouting with Guaranteed Delivery using Variable Transmission  
Radii for Wireless Sensor Networks,  
Shantanu Das, Amiya Nayak, Stefan Ruehrup, Ivan Stojmenovic

### 15:45 Coffee break

### 16:15 Session 4: Applications

AnyCast RPC for Wireless Sensor Networks,  
Eric Bergstrom, Raju Pandey

Quantitative Evaluation of Location Systems Techniques for Short-Range RF-Based Sensor Networks,  
Luciana Moreira Sa de Souza, Ricardo Sangoi Padilha

### 17:15 Closing of the workshop