



Summer School in Wireless Sensor Networks

Bressanone, Italy

June 30-July 4, 2008

Overview:

NEWCOM (Network of Excellence in Wireless COMMunications) is an European network that links in a cooperative way a large number of leading research groups addressing the Strategic Objective "Mobile and wireless systems beyond 3G", a frontier research area of the Priority Thematic Area of IST. Today, it has become one of Europe's flagship initiatives in telecommunications.

Within the auspices of Newcom, schools devoted to hot topics in communications will be organized. The first will be organised in Bressanone, Italy, from June 30- July 4, 2008 and it is devoted to "Wireless Sensor Networks". In parallel to the school a Emerging topic workshop is running with the aim of dissemination of results obtained within the various departments and projects of Newcom. For details regarding lodging, please, keep visiting www.dei.unipd.it/ssie.

Preliminary Program:

Monday 30th June - Morning Session

1a 'Introduction/WSNs/applications' (1h30min) – R. Verdone, CNIT

COFFEE BREAK

1b 'Industrial Efforts/Standardization' (1h30min) – M. Dohler, CTTC

Monday 30th June - Afternoon Session

2a 'Hardware & Experimentations' (1h30min) – G. Chelius

COFFEE BREAK

2b 'Channel Modelling for WSNs' (1h30min) – C. Oestges, UCL

Tuesday 1st July - Morning Session

3a 'MAC, Routing and Data Aggregation' (3h) – M. Dohler, CTTC

Wednesday 2nd July - Morning Session

4a 'Network Coding' (1h30) – R. Koetter, LNT-TUM

COFFEE BREAK

4b 'Topology Control and Connectivity' (1h30min) – R. Verdone, CNIT

Thursday 3rd July - Morning Session

5a 'UWB for WSNs' (1h30min) – D. Dardari, CNIT

COFFEE BREAK

5b 'Localisation Techniques' (1h30min) – D. Dardari, CNIT

Friday 4rd July - Morning Session

6 'Distributed Data Estimation Protocols' (1h30min), C. Anton, CTTC

Young researchers participating in the Newcom consortium, as well as researchers in Europe at large are invited to attend both the summer school and the related workshop.

Committee:

CNIT, Italy:	Roberto Verdone, Silvano Pupolin
CTTC, Spain:	Carles Anton, Xavi Mestre, Mischa Dohler
K.H. Univ, Turkey:	Erdal Panayircı