



## 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](http://www.dei.unipd.it/ssie).

### Preliminary Program:

#### *Monday 30th June - Morning Session*

1a 'Introduction/WSNs/applications' (1h)

1b 'Industrial Efforts/Standardization' (45min)

COFFEE BREAK

1c 'Hardware & Experimentations' (1h45min)

#### *Monday 30th June - Afternoon Session*

2a 'Channel Modelling for WSNs' (1h30min)

COFFEE BREAK

2b 'PHY (UWB and other?)' (1h30min)

#### *Tuesday 1st July - Morning Session*

3 'MAC, Routing and Data Aggregation' (3h)

#### *Wednesday 2nd July - Morning Session*

4a 'Localisation' (1h30min)

COFFEE BREAK

4b 'Topology Control and Connectivity Theory' (1h30min)

#### *Thursday 3rd July - Morning Session*

5a 'Distributed Data Estimation Protocols' (1h30min)

COFFEE BREAK

5b 'Network Coding' (1h30)

#### *Friday 4rd July - Morning Session*

6 'Asymptotic Analysis of WSNs' (3h)

List of Speakers will be available soon.

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 Panayirci