



# Carbon nanotubes and carbon hybrid /composites

by *Domenica Scarano and Adriano Zecchina*

NIS colloquium - Turin 29th, 2007

Dept. of IFM Chemistry, via P.Giuria 7

## Programme

### Diagonale Hall

- 10.50 -11.00 **Adriano Zecchina** - NIS Centre of Excellence University of Torino  
*Welcome*
- 11.00 -11.40 **Pulickel M. Ajayan** - Rensselaer Polytechnic Institute, Troy, NY, USA  
*Engineering Carbon Nanotube Architectures for Applications*
- 11.40 -12.10 **Gianfranco Scorrano** - University of Padova  
*Shortened Single Walled Carbon Nanotubes*
- 12.10 -12.35 **Giovanni Camino** - Polytechnic of Torino  
*Thermal and combustion behaviour of carbon nanotubes and nanofibres nanocomposites.*
- 12.35 -13.00 **Federico Cesano** - NIS Centre of Excellence, University of Torino  
*Carbon - based composites: one-pot synthesis and characterization*

### 13.00 - 14.30 Lunch

### Avogadro Hall

- 14.30-15.10 **Galina Dovbeshko** - Dept. of Physics of Biological Systems  
National Academy of Sciences of Ukraine, Kiev  
*Study of carbon nanotube interaction with biological macromolecules – DNA and proteins*
- 15.10-15.35 **Emilio Carbone** - NIS Centre of Excellence, University of Torino  
*Carbon fibers for amperometric catecholamines detection in biology*
- 15.35-16.00 **Maurizio Prato** - University of Trieste  
*Organic Functionalization of Carbon Nanotubes*
- 16.00-16.25 **Ettore Vittone**- NIS Centre of Excellence, University of Torino  
*Surface functionalisation of diamond for biosensor applications*
- 16.25-17.00 Coffe break**
- 17.00-17.40 **K.P. de Jong** - University of Utrecht  
*Carbon nanofibers as support material for fundamental studies in Fischer Tropsch catalysis*
- 17.40-18.05 **Edoardo Garrone** - Politecnico of Torino  
*Carbon replicas of inorganic porous materials: properties and applications*
- 18.05-18.30 **M.Jasim Uddin** - NIS Centre of Excellence, University of Torino  
*Photoactive nanoparticles deposited on textile fibre for smart applications*