NIS Colloquium

Raman spectroscopy: a powerful technique to characterize nano-materials

Torino, Friday 9 June 2006

Aula Magna – Dip. Chimica IFM – via Giuria,7 – Torino

PROGRAMME

9.00-9.15 **Colloquium opening:**
Adriano Zecchina- *NIS Nanostructured Interfaces and Surfaces - Università di Torino*
Chair 1: **Giulietta Smulevich** *Dipartimento di Chimica Università di Firenze*

9.15-10.00 **Alessandro Damin** *NIS Nanostructured Interfaces and Surfaces - Università di Torino*
RAMAN spectroscopy at NIS

10.00-10.45 **Stefano Corni** *CNR-INFM National Research Center S3, Modena*
Theoretical models for Surface Enhanced Vibrational Spectroscopies

10.45-11.00 Coffee break

Chair 2 **Cees Otto** *Department of BioPhysical Engineering-Enschede, The Netherlands*

11.00-11.45 **Maurizio Muniz Miranda** *Dipartimento di Chimica Università di Firenze*
Surface Enhanced Raman Scattering. Results and Perspectives

11.45-12.15 **Francesca Bonino** *NIS Nanostructured Interfaces and Surfaces - Università di Torino*
Raman spectroscopy applied to zeolites

12.15-13.00 **Bruno Pettinger** *Dept. of Physical Chemistry Fritz-Haber-Institut Berlin, Germany*
Tip-enhanced Raman scattering: a sensitive spectroscopic tool with nanometer resolution

13.00-14.30 Lunch

Chair 3 **Bruno Pettinger** *Dept. of Physical Chemistry Fritz-Haber-Institut Berlin, Germany*

14.30-15.15 **Giulietta Smulevich** *Dipartimento di Chimica Università di Firenze*
Resonance Raman and Micro Raman to study heme proteins

15.15-15.45 **Benedetta Mennucci** *Dipartimento di Chimica e Chimica Industriale Università di Pisa*
Resonance Raman for solvated molecules: recent developments in the computational model

15.45-16.30 **Cees Otto** *Department of BioPhysical Engineering-Enschede, The Netherlands*
Raman microscopy: a new method for cell biology

16.30-16.45 Coffee break

Chair 4 **Silvia Bordiga** *NIS Nanostructured Interfaces and Surfaces - Università di Torino*

16.45-17.15 **Jaap Bergwerff** *Department of Chemistry Utrecht University*
Raman microscopy, a powerful tool to study the preparation of CoMo/Al2O3 extrudates

17.15-17.45 **Chiara Castiglioni** *Politecnico di Milano*
Raman Spectroscopy of Nanostructured Carbon Materials

17.45-18.15 **Fabrizio Giorgis** *Dipartimento di Fisica - Politecnico di Torino*
Raman spectroscopy on micro and nanostructures'

18.15-18.45 **Giampiero Amato**, *QR Lab, INRiM Torino*
Obtaining structural information from porous semiconductors by Raman Spectroscopy

20.00-23.00 Social DINNER: wine and food from Piedmont