

Vibrational Spectroscopy and Nuclear Magnetic Resonance (NMR) Techniques for Industrial Applications

CERIC-ERIC Headquarters in Trieste (Italy)

20.10.2017

19th October 2017

19:30 Networking dinner

20th October 2017

9:30 – 10.00 CERIC-ERIC General Presentation
Elettra Sincrotrone Trieste Presentation
Slovenian National Institute of Chemistry Presentation

10.00 – 11.00 Presentations of industrial applications of CERIC techniques:

- **IR* and Nano IR: 'Higher resolution and faster analysis for industry'**

Dr. Lisa Vaccari (*Coordinator of the Chemical and Life Sciences branch of SISSI* Elettra Sincrotrone*), and Dr. Giovanni Birarda (*Researcher at SISSI Elettra Sincrotrone*)

- **Raman: 'Industrial applications of Raman Spectroscopy: from macro to micro capabilities'**

Dr. Barbara Rossi (*Researcher at IUVS* Beamline Elettra Sincrotrone*)

- **NMR*: 'Application in industry – Insights on the biological functions, chemical structure, and interactions of molecules in both liquids and solids'** Examples in pharmaceutical formulations and polymeric materials.

Dr. Primoz Sket (*Research Associate at the Slovenian National Institute of Chemistry, SloNMR* Centre*)

11.00 – 11.30 Coffee break

11.30 – 12:30 '**Experiences and Perspectives for Innovation in Material Science'**

- Alifax Srl.
- Sipa Spa.
- Nanto Cleantech Inc.
- AquafilSLO d.o.o

12.30 – 13.15 Discussion and questions on the topics

13.15 Closing and networking lunch

*IR: Infrared

*SISSI: Synchrotron Infrared Source for Spectroscopy and Imaging

*IUVS: Inelastic Ultra Violet Scattering

*NMR: Nuclear Magnetic Resonance

*SloNMR: Slovenian Nuclear Magnetic Resonance Centre