



## Science @ CERIC Workshop

27-29 March/Austria

### Scope

- To favor the interaction among directors and researchers from Partner Facilities (PFs), getting them acquainted with the ongoing activities and research interests of the other PFs.
- Identify common topics for joint research and development.
- Discuss about funding opportunities where the PFs, in the framework of CERIC, could have competitive advantages.
- To highlight the possibilities offered by a specific instrument/facility/project to the development of the CERIC scientific community, showing selected
- Achievements (not limited to CERIC users), future development plans, possible areas of interactions with other CERIC facilities.
- To strengthen of CERIC-ERIC internal research in general.

**Sunday, March 26**

Afternoon & Evening: Part of arrivals

**Monday, March 27**

**9:30 - 12:00**

**Free Time and Informal Discussions**

**12:00 - 14:00**

**Lunch**

**CERIC Internal Projects**

**Internal Projects Presentations - 14:00 - 16:00**

14:00 - 14:25

**Andrea Locatelli** (Italian PF)

*The CERIC MAG-ALCHEMI Project: Scientific Goals and Preliminary Results*

14:25 - 14:50

**Vladimir Matolin** (Czech PF)

*Presentation of Internal CERIC Grant CEROP*

14:50 - 15:15

**Kevin Prince** (Italian PF)

*Dyna Chiro: Dynamics of Chiral Molecules and Solids - Pump Probe Studies of the Molecules of Life, and Topological Insulators. One Step Closer to Chiral Dynamics*

15:15 - 15:40

**Lisa Vaccari** (Italian PF)

*Graphene for Water in Life Sciences (RENEWALS): Project Idea and First Preliminary Results*

15:40 - 16:00

**Aden Hodzic** (CERIC Statutory Seat)

*Nanoanalytics in Pharmaceuticals: Project Overview*

**16:00 - 16:20**

**Coffee Break**

**CERIC Oral Presentations**

**Session I - 16:20 - 17:50**

16:20 - 16:50

**Natalia Tsud** (Czech PF)

*Model Studies of Cerium Oxide Bio-Applications*

16:50 - 17:20

**Josef Myslivecek** (Czech PF)

*Monodispersed Pt<sub>2+</sub> Ions on Ceria Surface*

17:20 - 17:25

**Heinz Amenitsch** (Austrian PF)

*Introduction to Austrian Partner Facility*

17:25 - 17:50

**Thomas Rath** (Austrian PF)

*Photovoltaic Materials*

### **CERIC – ERIC**

European Research Infrastructure Consortium  
established by European Commission  
Implementing Decision of 24 June 2014 no.  
2014/392/EU

SS. 14 – Km 1.63,5 in AREA Science Park, 34149 Trieste, Italy  
Fiscal Code: 90143090323 – VAT number: 01278610322  
Tel. +39 040 3758-507/311  
[www.ceric-eric.eu](http://www.ceric-eric.eu)

**17:50 - 18:10 Coffee Break**

**Session II - 18:10 - 19:45**

- 18:10 - 18:40 **Paolo Falcaro** (Austrian PF)  
*Bio-MOF Synthesis and Characterization*
- 18:40 - 18:45 **Janez Plavec** (Slovenian PF)  
*Introduction to the Slovenian NMR Center*
- 18:45 - 19:15 **Primož Sket** (Slovenian PF)  
*NMR as a Tool to Provide Insights Into Bio-Macro-Molecules in Solutions*
- 19:15 - 19:45 **Gregor Mali** (Slovenian PF)  
*Solid-state NMR Studies of Heat and Energy Storage Materials*

**20:00 - Dinner, Free Discussion**

**Tuesday, March 28**

**Session III - 08:40 - 10:10**

- 08:40 - 09:10 **Ionut Enculescu** (Romanian PF)  
*Functional Nanostructures Obtained Using the Nanofabrication Facility at NIMP*
- 09:10 - 09:40 **Raluca Negrea** (Romanian PF)  
*High-Resolution Analytical TEM: Advanced Techniques for Advanced Materials*
- 09:40 - 10:10 **Jacek Szade** (Polish PF)  
*Topological Insulators – Synchrotron Radiation Based Studies are Inevitable*

**10:10 - 10:30 Coffee Break**

**Session IV- 10:30 - 12:00**

- 10:30 - 11:00 **Jozef Korecki** (Polish PF)  
*PEEM/XAS at Solaris is Oncoming*
- 11:00 - 11:30 **Giuliana Aquilanti** (Italian PF)  
*The XAFS beamline at Elettra: Results and Opportunities for CERIC*
- 11:30 - 12:00 **Barbara Rossi** (Italian PF)  
*Tunable UV Resonant Raman Scattering Facility at Elettra: a Platform for Material Science*

**12:00 - 17:00 Lunch & Free Time**

**Session V - 17:00 - 19:00**

- 17:00 - 17:30 **Szentmiklósi László** (Hungarian PF)  
*Material Science and Cultural Heritage Applications of Neutron-Based Element Analysis and Imaging*
- 17:30 - 18:00 **Dudás Zoltán** (Hungarian PF)  
*Application of SANS in the Nano and Microscale Investigation of the Materials Structure*
- 18:00 - 18:30 **Zdravko Siketic** (Croatian PF)  
*State of the Art Capabilities of the RBI Accelerator Laboratory*
- 18:30 - 19:00 **Milko Jaksic** (Croatian PF)  
*Research Areas of the CERIC and RBI Accelerator Facility Users within Croatia*

**19:30 - Dinner + BoD Brainstorming**

**Wednesday, March 29**

**9:00 – 12:00 BoD Meeting**

**12:30 Lunch**

**End of the Meeting**