



| TUE 26/11  | WED 27/11   | THU 28/11  | FRI 29/11   |
|--|---|--|---|
|  | 9:00 IT 6 <i>A. M. Figueiredo</i><br>09:30 OC 1 <i>T. Fiuza</i><br>09:45 OC 2 <i>C. M. Ferreira</i><br>10:00 IT 7 <i>N. Serradji</i><br>Chairperson: <i>J. Geshev</i> | 9:00 IT 13 <i>N. Tomazio</i><br>09:30 OC 3 <i>C. A. M. Vieira</i><br>09:45 OC 4 <i>V. Cerqueira</i><br>10:00 IT 14 <i>J. Geshev</i><br>Chairperson: <i>A. López-Ortega</i> | 09:00 – 10:30<br><b>Collaborations and Discussions</b>  |
|  | 10:30 – 11:00 <b>Coffee break</b>   |  |   |
|  | 11:00 IT 8 <i>F. Messina</i><br>11:30 IT 9 <i>M. H. Sousa</i><br>Chairperson: <i>A. Campos</i>  | 11:00 IT 15 <i>C. Graeff</i><br>11:30 IT 16 <i>L. Wouk</i><br>Chairperson: <i>A. M. Figueiredo</i>   | 11:00 IT 22 <i>E. Winkler</i><br>11:30 OC 5 <i>F. G. Silva</i><br>11:45 OC 6 <i>M. Baricic</i><br>12:00 IT 23 <i>M. Vasilakaki</i><br>Chairperson: <i>J. Depeyrot</i> |
| 13:00 <b>Registration</b><br>14:15 <b>Opening Ceremony</b>   | 12:00 – 14:30 <b>Lunch</b>  |  | 12:30 <b>Award and Closing Session</b>  |
| 15:00 IT 1 <i>S. Ammar-Merah</i><br>15:30 IT 2 <i>N.-T. Ha-Duong</i><br>16:00 IT 3 <i>D. Muraca</i><br>Chairperson: <i>R. Aquino</i> | 14:30 IT 10 <i>L. Paterno</i><br>15:00 IT 11 <i>F. Silly</i><br>15:30 IT 12 <i>E. Lima</i><br>Chairperson: <i>F. Messina</i>  | 14:30 IT 17 <i>J. J. Bonvent</i><br>15:00 IT 18 <i>A. López-Ortega</i><br>15:30 IT 19 <i>G. Gomide</i><br>Chairperson: <i>S. Ammar-Merah</i>                               |   |
| 16:00 – 16:30 <b>Coffee Break</b>  |   | 16:00 – 16:30 <b>Coffee Break</b>  |   |
| 16:30 IT 4 <i>F. Choueikani</i><br>17:00 IT 5 <i>A. Mezzi</i><br>Chairperson: <i>E. Winkler</i>                                      | 16:00 – 19:00 <b>Poster Session (with Snacks)</b>   |  |   |
|  |   | 16:30 IT 20 <i>A. Campos</i><br>17:00 IT 21 <i>N. Challab</i><br>Chairperson: <i>E. Lima</i>   |   |
|  |   | 19:00 <b>Conference Dinner</b>   |   |

IT01 – Cold H<sub>2</sub>-Ar plasma interaction with metal  $\alpha$ -hydroxide as a versatile nanofabrication tool of metal and metal@Cgr nanoparticles: nickel as a case study"  
IT02 – Plant Viruses as biotemplates for materials and their use in nanomedicine  
IT03 – From nerve regeneration to oil industry: Fundamentals and application of magnetic nanoparticles systems  
IT04 – X-Ray Magnetic Circular Dichroism: An Effective Technique for probing the electronic and magnetic properties of magnetic nanoparticles  
IT05 – Electron spectroscopies for nanomaterials analysis  
IT06 – Thermodiffusion in a multicomponent lyotropic mixture in the vicinity of the critical micellar concentration by using the Z-scan technique  
IT07 – Carbon-based particles as new tools to inhibit an agent responsible for a major sexually transmitted infection  
IT08 – From carbon dots to nanographenes: photophysics and photonics of optical carbon nanomaterials  
IT09 – Carbonaceous Nanomaterials for Agrotechnological and Environmental Applications  
IT10 – Chemical Sensor Arrays with Fluorescent Carbon Quantum Dots  
IT11 – Directional molecular self-assembly for photonics and Spintronics  
IT12 – Decomposition of H<sub>2</sub>O<sub>2</sub> by iron oxide and sulfide nanoparticles  
IT13 – Fabrication of complex three-dimensional micro- and nanodevices for photonics and microfluidics  
IT14 – Hard-axis collapse and recoil curves lying outside the major hysteresis loop in ferromagnets  
IT15 – Efficient and stable perovskite Solar cells: new Materials and modeling  
IT16 – Advances in Flexible Organic and Perovskite Photovoltaics for Sustainable Energy Generation  
IT17 – Development of nanostructured core-shell systems for controlled drug release  
IT18 – From nanoparticles to 4D-printed devices: advancements and drug delivery platforms  
IT19 – Magnetic Anisotropy and Exchange Bias in Size-distributed Ultrasmall Nanoparticle Systems  
IT20 – Magnetic colloids in EMIM TFSI, propylene carbonate and their mixtures for improved thermoelectric performance  
IT21 – Electric motor soft magnetic composite core: design and procedures  
IT22 – Design of core/shell multifunctional nanoparticles for environmental remediation  
IT23 – Magnetic field-driven structural behaviour of Ferrofluids based on High-Moment Nanoparticles

OC1 – In situ optical probing on the carotenoid degradation kinetics during in vitro oxidation of high-density lipoproteins  
OC2 – Multi-Scale and Hierarchical Cluster Organization in Nitrogen-Enriched Carbon Dots Dispersions  
OC3 – A detailed magnetic analysis of the transition between weakly and strongly interacting systems of ferrite nanoparticles  
OC4 – Effect of pressure of sputtering chamber in gas sensing and photocurrent properties of ZnO thin films  
OC5 – Tailoring magnetic anisotropy and hyperthermia efficiency in  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub>/CoFe<sub>2</sub>O<sub>4</sub> core/shell nanoparticles through shell thickness control  
OC6 – Exploring the Formation Mechanisms of CoO and CoFe<sub>2</sub>O<sub>4</sub> Nanomaterials Through Time-Resolved Synchrotron Analysis