

## INVITED SPEAKERS

## PRELIMINARY LIST OF INVITED SPEAKERS

NAME	TITLE	COUNTRY
<b>Franca Albertini</b>	Laterally-confined hard-soft magnetic media based on L10 FePt grown on SiO <sub>2</sub> templates	Italy
<b>Manfred Albrecht</b>	Magnetic films on templates towards percolated media	Germany
<b>Mohamed S. Aly-Hassan</b>	Functionalization of the Thermotropic Liquid Crystals	Egypt
<b>Heinz Amenitsch</b>	Small angle X-ray scattering as an in situ tool at the nanoscale: Polymeric virus-like nanovehicles: structure design and applications	Austria
<b>Giuseppe Battaglia</b>	Embedded and doped Si nanocrystals: Electronic, magnetic and optical properties	Germany
<b>Friedhelm Bechstedt</b>	Ge nanocrystals self-organized on nanopatterned substrates	Germany
<b>Isabelle Berbezier</b>	Nonlinear magnetization dynamics and spin-wave instabilities in spintronics	France
<b>Giorgio Bertotti</b>	Nanoionics: from thin metal/oxide films to devices	Italy
<b>Anja Bieberle</b>	Label-free sensing of biomolecules and neural networks with ultra-thin membranes	Switzerland
<b>Fabio Biscarini</b>	Nanoscale grain refinement and H <sub>2</sub> sorption properties of MgH <sub>2</sub> - based materials	Italy
<b>Walter J. Botta Filho</b>	Hierarchical pattern of microstructures in a 3D fluorapatite-gelatin nanocomposite	Brazil
<b>Juergen Brickmann</b>	Status and Perspectives of Lipid-mediated Gene Delivery	Germany
<b>Giulio Caracciolo</b>	Switchable spin-crossover nanoparticles	Italy
<b>Eugenio Coronado</b>	Scanning Probe Microscopy in Material Science and Biology.	Spain
<b>Antonio Cricenti</b>	Multi wall carbon nanotube based heterojunction photovoltaic devices	Italy
<b>Maurizio De Crescenzi</b>	Tunable self-organization of the nanoscale multilayers	Italy
<b>Jeff T. M. De Hosson</b>	Multiscale modelling of fracture in chemo-mechanics in brittle materials	Netherlands
<b>Alessandro De Vita</b>	Advanced metal-air batteries based on silicon fuel	Italy
<b>Yair Eni-Eli</b>	Nanocatalysis on Graphene based Metal-Graphene Nanocomposites	Israel
<b>M. Samy El-Shall</b>	Edge state and magnetic properties of nanographene	Egypt
<b>Toshiaki Enoki</b>	Nanoscale Hollow Spheres: Microemulsion-based Synthesis, Properties and Applications	Japan
<b>Claus Feldmann</b>	Particular and granular magnetic nanostructures for advanced magnetoelectronic devices	Austria
<b>Joseph Fidler</b>	Dimensionality and Alignment of Liquid Crystals	Austria
<b>Yves H. Geerts</b>	Nanostructured scaffolds for nervous tissue regeneration	Belgium
<b>Fabrizio Gelain</b>	Magnetic Nanoparticles: Correlation between Structural and Magnetic Properties	Italy
<b>Jean-Marc Greneche</b>	Highly flexible manipulation and dispensing of nano-drops by a pyroelectric actuator	France
<b>Simonetta Grilli</b>	Magnetic nanoparticles for biomedical applications	Italy
<b>George Hadjipanayis</b>	Ligand-protected metal clusters as building blocks of new nanomaterials	USA
<b>Hannu Hakkinen</b>	Single-crystalline plasmonic nanostructures	Finland
<b>Bert Hecht</b>	Magnetism in functionalised ZnO nanoparticles: Magnetic moment and spin Hall effect	Germany
<b>Antonio Hernando</b>	Mapping Protein Distribution on Optical Antennas	Spain
<b>Christiane Höppener</b>	Correlation between dislocation structure and mechanical behaviour in nanocrystalline metals	Germany
<b>Xiaoxu Huang</b>	Bi-Modal Nanostructured Ceramic Composite Coatings with Extraordinary Properties	China
<b>Lawrence Kabacoff</b>		USA

<b>Harald F. Krug</b>	Nanotoxicology - Biological principles and methodological flaws
<b>Robert Kruk</b>	Electronically tuneable properties of nanostructured materials
<b>Sara Laureti</b>	Some aspects of Exchange Bias.
<b>Enrique J. Lavernia</b>	Mechanical properties and deformation in multi-scale nanostructured
<b>Edson R. Leite</b>	A novel strategy for the synthesis of metal oxides nanocrystals using
<b>Guy Le Lay</b>	Silicene: the silicon based alternative of graphene
<b>Ziyou Li</b>	Nanometrology using Size-selected Clusters
<b>Lei Lu</b>	Strengthening mechanism of nano-scale twins
<b>Giorgio Margaritondo</b>	Imaging with coherent X-ray Scattering technology and nanomedicine
<b>Angel Millan</b>	Polymer-based multifunctional magnetic nanoparticles for biomedical
<b>Dimitris Niarchos</b>	Graded L10-FePt media as candidates for ultrahigh magnetic record
<b>Richard E. Palmer</b>	Counting the Atoms in Supported, Monolayer-Protected Gold Clusters
<b>Yossi Paltiel</b>	Hybrid Organic Inorganic Quantum Nano - Devices
<b>Teresa Pellegrino</b>	Stimuli-responsive magnetic based nanocontainers as delivery systems
<b>Chiara Pernechele</b>	Interface effects on an ultrathin Co film in multilayered stacks based
<b>Valeri Petkov</b>	Nanostructure by high-energy XRD and atomic pair distribution function
<b>Enrico Prati</b>	Control of the Energy Level of a Single Atom in a Back-Gated Silicon
<b>Olivia Pulci</b>	Electronic and optical properties of graphene and related 2-D systems
<b>Vito Raineri</b>	Local probing of graphene transport properties
<b>Vincenzo Resta</b>	Novel strategies for the synthesis of hybrid inorganic-organic nanomaterials
<b>Federico Rosei</b>	Exploring molecular assembly on surfaces: from supramolecular systems
<b>Maria Sabrina Sarto</b>	Nanomaterials for industrial applications: research development and
<b>Linda Schadler</b>	Tailoring the Properties of Hybrid Nanoparticle Composites Through In-
<b>Ivan K. Schuller</b>	Hybrid Magnetic/Superconducting Nanostructures
<b>John M. Seddon</b>	Amphiphile self-assembling materials with potential applications in nano-
<b>Roberta Sessoli</b>	Single Molecule Magnets on Metallic and Magnetic Substrates
<b>Francesco Stellacci</b>	Cell Membrane Penetrating Nanoparticles
<b>Javier Tejada Palacios</b>	Magnetic nanoparticles: free spin compass and quantum mechanical
<b>Thomas Tsakalakos</b>	Mechanical Behaviour of Nanostructured Coatings: An Eigenstrain Approach
<b>Tseung-Yuen Tseng</b>	Manganese oxide-carbon nanotube nanocomposite supercapacitor electrode
<b>Filip Tuomisto</b>	Advanced characterization of nanostructured materials: positron annihilation
<b>Knut W. Urban</b>	Picometre Electron Microscopy
<b>Wilfried Vandervorst</b>	Counting dopants/atoms in nanoscale structures.
<b>Steven Van Petegem</b>	In situ diffraction study of nanocrystalline metals
<b>Lionel Vayssieres</b>	Low-cost and large scale oriented arrays of metal oxide quantum rods
<b>Logeeswaran Veerayah Jayaraman</b>	Crystal Semiconductor Devices on Arbitrary Pillar Based Single-Crystal
<b>Laurent Vila</b>	Nanofabrication by combining top-down and bottom-up approaches
<b>Joerg Weissmueller</b>	Novel functional materials based on nanoporous metals
<b>Roland Wiesendanger</b>	Spin mapping, spin manipulation and magnetometry at the atomic level