

Programme

MONDAY JUNE 25th

	TIME	NAME	INSTITUTION	TITLE
NAUTILUS ROOM				
	10:00 - 10:30	WELCOME ADDRESS		
		PUPPIN	CNISM, Dipartimento di Fisica, Politecnico di Milano, Milano, Italy	Condensed matter physics in Italy
	10:30 - 12:30	PLENARY SESSION (Chairperson:)		
Plenary	10:30 - 11:10	TERSOFF	IBM Watson Research Center, Yorktown Heights, New York, USA	Complex dynamics in nanowire growth
Plenary	11:10 - 11:50	WIESENDANGER	Institute of Applied Physics and Interdisciplinary Nanoscience Center Hamburg, University of Hamburg, Germany	From Model-Type Nanomagnets to Atomic Spin Logic Devices
Plenary	11:50 - 12:30	TOSATTI	SISSA, CNR-IOM Democritos, and ICTP, Trieste, Italy	Nanofriction Theory and Simulation
	12:30 - 13:00	EXHIBITORS		
	13:00 - 16:30	LUNCH AND BREAK		
NAUTILUS ROOM				
	16:30 - 19:30	III-IV NANOWIRES (Chairperson:)		
Keynote	16:30 - 17:00	JAGADISH	Department of Electronic Materials Engineering, The Australian National University, Canberra, Australia	III-V compound Semiconductor Nanowires for Optoelectronic Device Applications
Invited	17:00 - 17:30	POLIMENI	Dipartimento di Fisica, Sapienza Università di Roma, Roma, Italy	Band structure of high-quality wurtzite GaAs in InGaAs-GaAs core-shell nanowires
Keynote	17:30 - 18:00	GLAS	CNRS-Laboratoire de Photonique et de Nanostructures, Route de Nozay, Marcoussis, France	III-V nanowire growth: kinetics, statistics and quantum dot formation
	18:00 - 18:15	GALICKA	Institute of Physics PAS, Warsaw, Poland	First-Principles Study of Doped III-V nanowires
	18:15 - 18:30	ISHII	Tottori University, Koyama, Tottori, Japan	Self-assembled formation of GaP/GaAs/InP nanowires on graphite
	18:30 - 18:45	KRIEGNER	Institute of Semiconductor and Solid State Physics, Johannes Kepler University Linz, Linz, Austria	Structural investigation of GaInP nanowires using X-ray diffraction
	18:45 - 19:00	LEHMANN	Chemnitz University of Technology, Semiconductor Physics, Chemnitz, Germany	Raman Mapping on GaAs/In ₂₀ Ga ₈₀ As Smart Tubes - Stress Made Visible
	19:00 - 19:15	MILLINCHICK	Department of Materials Science and Engineering, University of Michigan, Ann Arbor MI, USA	Formation and Characterization of Focused Ion Beam Produced InAs Semiconductor Nanospikes
	19:15 - 19:30	QUINTERO	Dpto. Física Aplicada, Universidad de Vigo, Vigo, Spain	Ultralong refractory glass nanofibers produced by Laser Spinning
ASTREA ROOM				
	16:30 - 19:30	MAGNETIC NANOSTRUCTURES (Chairperson:)		

Invited	16:30 - 17:00	KAMIENIARZ	Faculty of Physics, A. Mickiewicz University, Poznań, Poland	Anisotropy, geometric structure and frustration effects in molecule-based nanomagnets
	17:15 - 17:30	BUSSETTI	Department of Physics, Politechnic of Milan, Milano, Italy	The metastable bcc phase of ultra-thin Ni layer on Fe(001) studied by scanning tunneling microscopy
	17:30 - 17:45	CARBUCICCHIO	Physics Department, University of Parma, Parma, Italy	Effects of the elemental layer thickness on the properties of Fe/Co grown at 200°C
Invited	17:45 - 18:15	CINI	Physics Department, University of Roma Tor Vergata, Roma and INFN, LNF, Frascati, Italy	Magnetic moments, pumping and memory storage in connected nanoscopic rings
	18:15 - 18:30	CIPRIAN	Physics Department, University of Parma, Parma, Italy	Magnetic and structural properties of FePd thin films induced by the annealing temperature
	18:30 - 18:45	GRANITZER	Institute of Physics, Karl Franzens University Graz, Graz, Austria	Magnetic behaviour of Ni deposits within magnetic field assisted etched porous silicon
	18:45 - 19:00	TIBERTO	INRIM, Electromagnetics, Torino, Italy	Magnetic properties of Fe-(Pt,Pd) thin films patterned by self-assembling of polystyrene nanospheres
	19:00 - 19:15	LEE	Bio-IT Convergence Center, Korea Institute of Ceramic Engineering & Technology, Korea	Preparation of Ni-modified Heterogeneous Magnetic Mesoporous Silica For Biomolecular Immobilization

CYPREA ROOM

	16:30 - 19:30	Si-Ge NANOSTRUCTURES (Chairperson:)		
Invited	16:30 - 17:00	AQUA	Institut des NanoSciences de Paris, Université Pierre et Marie Curie, Paris 6 and CNRS UMR 7588, 75252 Paris, France	Organizing effect of a patterned substrate on strained quantum dots
	17:00 - 17:15	PERSICHETTI	Physics Department, University of Roma Tor Vergata, Roma	Effects of elastic field anisotropy on the heteroepitaxial growth of Ge quantum dots on vicinal Si surfaces
	17:15 - 17:30	RICHARD	Aix-Marseille University - IM2NP, Marseille, ID01/ESRF, Grenoble, France	Tracking defects in Si(001) and in Ge nanostructures grown on Si(001): an X-ray study
	17:30 - 17:45	AOUASSA	IM2NP, CNRS, AMU, Marseille, France	Ordered arrays of Si and Ge nanocrystals via dewetting of pre-patterned thin films
	17:45 - 18:00	BISCHOFF	Institut de Science des Matériaux de Mulhouse, LRC 7228 CNRS-UHA Université de Haute Alsace, Mulhouse, France	Growth of Ge and Si crystalline nanostructures on an insulating LaAlO ₃ (001) substrate
	18:00 - 18:15	CARRADA	CEMES/CNRS, Toulouse, France	Low energy ion beam synthesis of Ge nanocrystals in HfO ₂ /SiN dielectric stacks for non-volatile memory applications
	18:15 - 18:30	BERGAMASCHINI	L-NESS and Materials Science Department, University of Milano-Bicocca, Italy	Fast pit filling and 3D island formation during Ge deposition on pit-patterned Si(001) substrates
	18:30 - 18:45	BONAFOS	CEMES/CNRS, Toulouse, France	Nanocrystal Memories fabricated by Ultra Low Energy Ion Beam Synthesis

	18:45 - 19:00	MARCHAND	Laboratoire de Recherches en Nanosciences, Université de Reims Champagne-Ardenne, Reims, France	Minority diffusion length and carrier storage dynamics by using nano-EBIC technique
Invited	19:00 - 19:30	RASTELLI	Institute for Integrative Nanosciences, IFW Dresden, Dresden, Germany	SiGe dots on Si(001) - Still able to surprise?

TUESDAY JUNE 26th

	TIME	NAME	INSTITUTION	TITLE
NAUTILUS ROOM				
	8:30 - 13:00	NANOELECTRONICS AND NANOFABRICATION (Chairperson:)		
Keynote	8:30 - 9:00	SIMMONS	Centre of Excellence for Quantum Computation and Communication Technology, University of New South Wales, Sydney, Australia	Single Atom Devices for Quantum Computing
Keynote	9:00 - 9:30	SCHNEIDER	Institute of Condensed Matter Physics, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland	Dynamical Coulomb blockade, quantum oscillations, and superconductivity in nano-sized electrical contacts
Invited	9:30 - 10:00	SIMBRUNNER	Institute of Semiconductor and Solid State Physics, Johannes Kepler University Linz, Austria	The Epitaxial Growth of Rod-Like Molecules and Implications for the Fabrication of Lasing Nano-Fibers
	10:00 - 10:30	COFFEE BREAK		
NAUTILUS ROOM				
	10:30 - 13:00	POSTER PRESENTATION		
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 19:00	ORGANICS (Chairperson:)		
Keynote	16:30 - 17:00	DI FABRIZIO	Italian Institute of Technology and Università degli studi Magna Grecia di Catanzaro, Italy	Few/ single molecule detection based on plasmonics and superhydrofobicity down to attomolar concentration
	17:00 - 17:15	BORGHETTI	Donostia International Physics Center, San Sebastian, Spain	Evidence for charge transfer at the stable organic/organic interface of the F ₁₆ CuPc/PEN: F ₁₆ CuPc/Au(111) heterolayer architecture
	17:15 - 17:30	CAPPELLINI	Department of Physics, University of Cagliari and Istituto Officina dei Materiali (CNR), Monserrato, Cagliari, Italy	Electronic and optical properties of TIPS-substituted pentacene: a (time dependent) density functional theory study
	17:30 - 17:45	YERYUKOV	A.V. Rzhanov Institute of Semiconductor Physics, Novosibirsk, Russia	Surface enhanced Raman scattering by organic and inorganic analytes on laterally ordered arrays of Au nanoclusters
	17:45 - 18:00	MUELLEGER	Department of Solid State Physics, Johannes Kepler University, Linz, Austria	All-Organic Radical Nanochains on a Surface
	18:00 - 18:15	POLAT	Department of NanoScience & NanoEngineering, Istanbul Technical University, Istanbul, Turkey	Fabrication and Characterization of Poly (anthranilic acid)/ Poly(vinyl pyrrolidone) Electrospun Nanofibers

	18:15 - 18:30	PUSCEDDU	Institut Laue Langevin, Grenoble, France	Morphological and structural study of calcium hydroxide nanoparticles in aqueous suspension
	18:30 - 18:45	REQUIST	SISSA, Trieste, Italy	Kondo phenomena in small metal-contacted organic radical molecules
	18:45 - 19:00	STOFFELEN	Molecular Nanofabrication group, MESA & Institute for Nanotechnology, University of Twente, Twente, The Netherlands	Size-tunable supramolecular nanoparticles locked by cucurbit[8]uril
Invited	19:00 - 19:30	HIETSCHOLD	Solid Surfaces Analysis Group, Institute of Physics, Chemnitz University of Technology, Chemnitz, Germany	Scanning Tunneling Microscopy and Spectroscopy of Ultrathin Metal Phthalocyanine Films on Ag and HOPG
ASTREA ROOM				
	8:30 - 13:00	NANO BIOLOGY (Chairperson:)		
Invited	8:30 - 9:00	ZAHN	Computer Chemistry Center, University of Erlangen, Germany	The interplay of collagen and ions in biominetic nanocomposites: mechanisms of nucleation, growth control and the design of materials properties
	9:00 - 9:15	CHANG	Korea Institute of Ceramic Engineering and Technology (KICET), Korea	Amino acid side chain-like surface modification on magnetic nanoparticles for highly efficient separation of mixed proteins
	9:15 - 9:30	CASALIS	SISSA-Elettra Nanoinnovation Laboratory, Sincrotrone Trieste, Basovizza, Trieste, Italy	Self assembly of nanostructures of dna and protein on gold (111)
	9:30 - 9:45	NKOUA	Universita degli studi di Trieste, ELETTRA, Sincrotrone Trieste, Basovizza, Trieste, Italy	Effect of the ionic strength on the surface-tethered ssDNA molecules
	9:45 - 10:00	DE ANGELIS F.	Fondazione Istituto Italiano di Tecnologia (IIT), NanoBioScience Department, Genova, Italy	Water soluble nanosponges for drug delivery applications
	10:00 - 10:30	COFFEE BREAK		
NAUTILUS ROOM				
	10:30 - 13:00	POSTER PRESENTATION		
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 19:30	SI GE NANOWIRES (Chairperson:)		
Invited	16:30 - 17:00	SUTTER ELI	Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton NY, USA	In-situ microscopy of nanoscale phase behavior - Understanding growth, doping, and metastable phase formation in semiconductor nanowires
Keynote	17:00 - 17:30	VOORHEES	Department of Materials Science and Engineering, Department of Engineering Sciences & Applied Mathematics, Northwestern University, Illinois, USA	Vapor-Liquid-Solid Nanowire Growth: Liquid Dynamics and Wire Composition
Invited	17:30 - 18:00	HEINIG	Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany	Si nanowire networks for 3 rd generation solar cells
	18:00 - 18:15	RUIZ-GOMES	AMU, CNRS, IM2NP (UMR 7334), Marseille, France	Si Nanowires Organized Growth for Band Gap Engineering

	18:15 - 18:30	MEIJA	Institute of Chemical Physics University of Latvia, Riga, Latvia	Ge nanowires based multipositional bi-stable nanoelectromechanical switches and improvement of their operational conditions
Invited	18:30 - 19:00	MIAO	Key Laboratory of Renewable Energy and Gas Hydrate, Chinese Academy of Sciences, Guangzhou, P.R.China	Spectroscopic ellipsometry analysis of Er doped ZnO thin films
CYPREA ROOM				
	8:30 - 10:00	SEMICONDUCTOR NANOWIRES (Chairperson:)		
Invited	8:30 - 9:00	GIRI	Department of Physic and Centre of Nanotechnology, Indian Institute of Technology Guwahati, India	Inorganic/Organic and Inorganic/Metal Based ZnO Nanowire Heterostructures for Highly Efficient UV Photodetection
	9:00 - 9:15	NEYKOVA	Institute of Physics, Academy of Sciences of the Czech Republic and Czech Technical University in Prague, Prague, Czech Republic	ZnO nanorod arrays for highly efficient thin film a-Si and micromorph solar cells
	9:15 - 9:30	LOZZI	Department of Physics, University of L'Aquila, L'Aquila, Italy	Metal-doped TiO ₂ nanofibers deposited by electrospinning
	9:30 - 9:45	KRAHNE	Istituto Italiano di Tecnologia, Genova, Italy	Charge Transport in nanoscale "all-inorganic" networks of CdSe nanorods linked by Au domains
	9:45 - 10:00	CHARABORTY	Istituto Italiano di Tecnologia, Genova, Italy	Optical and Photoelectrical Properties of Au-decorated CdSe Nanowires
	10:00 - 10:30	COFFEE BREAK		
NAUTILUS ROOM				
	10:30 - 13:00	POSTER PRESENTATION		
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 19:30	NANO OXIDES (Chairperson:)		
Invited	16:30 - 17:00	TANEMURA	Key Laboratory of Renewable Energy and Gas Hydrate, Guangzhou Institute of Energy Conversion, Guangzhou, China & M. R. & E. Lab., Nanostructures Research L., Japan Fine Ceramic Center, Mutsuno, Nagoya, Japan	A Low Cost Preparation of VO ₂ Thin Films with Excellent Thermochromic Properties from a Solution-Based Process
	17:00 - 17:15	TOCCAFONDI	CNISM and Department of Physics, University of Genova, Genova, Italy	Spectroscopic ellipsometry measurements on nano-granular TiO ₂ thin films
	17:15 - 17:30	SHAFIEI	School of Chemistry Physics and Mechanical Engineering, Queensland University of Technology, Brisbane, Australia, School of Electrical and Computer Engineering, RMIT University, Melbourne, Australia	WO ₃ nanoplatelet based Schottky diodes for hydrogen gas sensing applications
	17:30 - 17:45	UMEK	Solid State Physics Department, Jozef Stefan Institute, Center of Excellence Namaste, Ljubljana, Slovenia	Determination of the Local Coordination and Valence States of Cobalt in Sodium Titanate Nanoribbons
	17:45 - 18:00	BONINELLI	MATIS IMM-CNR, Catania, Italy	Optical and structural properties of Eu and C co-doped silicon oxides films
	18:00 - 18:15	FARAHDYAR	Department of Chemistry, Faculty of Science and Department of Chemistry, Faculty of Basic Sciences, Islamic Azad University, Iran	Preparation and characterization of nanophotocatalyst based nano-sized Nickel oxide loaded on porous Titanium dioxide and study of photocatalytic activity

18:15 - 18:30	RAKHIMOVA	Siberian Federal University, Krasnoyarsk, Russia	The electron-microscope investigation of quantum dots in ni-nio thin films
18:30 - 18:45	RODRIGUEZ	Semiconductor Physics, Chemnitz University of Technology, Chemnitz, Germany	Nanoscale Physico-Chemical Imaging of Oxide and Semiconductor Nanoparticles: Stepping Beyond the Diffraction Limit with Enhanced Raman Spectroscopy
18:45 - 19:00	GROSSO	Laboratoire Chimie de la Matière Condensée de Paris, UMR UPMC-CNRS 7574, Université Pierre et Marie Curie, Collège de France, Paris, France	Novel strategies to construct nanostructured coatings from sol-gel solutions
19:00 - 19:45	FARAHMAND	Department of Physics, Varamin Pishva Branch, Islamic Azad University, Varamin, Iran	Size and Structural Study of ITO Nanoparticles Prepared by Co-precipitation and Hydrothermal Liquid Phase Method
19:15 - 19:30	EBRAHIMI	Faculty of Iran Ministry of Education, Tehran, Iran	Synthesis of Vanadium Oxide Nanotubes From V ₂ O ₅ Gel Via An Ultrasonic And Hydrothermal Method

AREA WILD DUCK

20:00 - 23:00	POSTER PRESENTATION AND DISCUSSION (Click here for the list of the authors and their titles)		
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WEDNESDAY JUNE 27th

TIME	NAME	INSTITUTION	TITLE
NAUTILUS ROOM			
8:30 - 10:00	GE SI NANOSTRUCTURES (Chairperson:)		
8:30 - 8:45	SMEREKA	Department of Mathematics, University of Michigan, Ann Arbor, Michigan, USA	Kinetic Monte Carlo Simulation of Heteroepitaxial Growth: Wetting Layers, Quantum Dots, Capping, and NanoRings
8:45 - 9:00	BOLLANI	IFN-CNR, L-NESS laboratory, Como, Italy	Lithographically-defined low dimensional SiGe nanostripes as silicon stressors
9:00 - 9:15	FROMHERZ	Institute of Semiconductor and Solid State Physics, Johannes Kepler University, Linz, Austria	SiGe island growth on (001) Si substrates: quantitative determination of shape-dependent Ge capture rates by modeling of the Ge surface diffusion
9:15 - 9:30	CHRASTINA	L-NESS Politecnico di Milano, Polo di Como, Como, Italy	Ge/SiGe Superlattices for Nanostructured Thermoelectric Modules
9:30 - 9:45	ETZESTORFER	Institute of Semiconductor and Solid State Physics, Johannes Kepler University, Linz, Austria	X-ray scattering studies of SiGe/Ge superlattice interfaces
9:45 - 10:00	ESCOUBAS S.	IM2NP - AMU - CNRS, Campus de St Jérôme, Marseille, France	Enhanced critical thickness of epitaxial SiGe layers on porous Si stressor layer
10:00 - 10:30	COFFEE BREAK		
10:30 - 12:30	MAGNETIC NANOSTRUCTURES (Chairperson:)		

Invited	10:30 - 11:00	LAURETI	ISM-CNR, Area della Ricerca Roma1, Monterotondo Scalo (RM), Italy	Interface exchange coupling in magnetic nanostructures
	11:00 - 11:15	DOBOSZ	Medical Physics Division, Faculty of Physics, Adam Mickiewicz University, Poznan, Poland	Electron Paramagnetic Resonance of magnetite nanoparticles coated with dextran
	11:15 - 11:30	PEDDIS	Dipartimento di Scienze Chimiche, Università di Cagliari, Monserrato (CA), Italy & ISM-CNR, Area della Ricerca, Monterotondo Scalo, Roma, Italy	Magnetic properties of CoFe ₂ O ₄ nanoparticles: Influence of the nanoparticles arrangement and of the synthesis method
	11:45 - 12:00	OGNEV	Laboratory of Thin Film Technologies, School of Natural Sciences, Far Eastern Federal University, Vladivostok, Russia	Manipulation of spin configurations in patterned 3D magnetic nanostructures
	12:00 - 12:15	RUMPF	Institute of Physics, Karl Franzens University Graz, Graz, Austria	Iron oxide nanoparticles dispersed in porous silicon
	12:15 - 12:30	SEYEDSAJADI	Department of Chemistry, Science and Research Branch, Islamic Azad University, Tehran, Iran	Room Temperature Superparamagnetism Evaluation of Cobalt Doped ZnO nanoparticles
ASTREA ROOM				
	8:30 - 10:00	MOLECULAR SELF ASSEMBLY (Chairperson:)		
Invited	8:30 - 9:00	GAUTIER	CNRS, Centre d'Elaboration des Matériaux et d'Etudes Structurales (CEMES), Toulouse, France	Charge effects in adsorbed molecules characterized by UHV STM and non contact-AFM
	9:00 - 9:15	BARTH C.	CINaM-CNRS, Aix-Marseille University, Marseille, France	Two-dimensional growth of nanoclusters and molecules on Suzuki surfaces
	9:15 - 9:30	DELLA PIA	Department of Chemistry, University of Warwick, Coventry, UK	Using charge transfer at metal-organic interfaces to control supramolecular self-assembly
	9:30 - 9:45	RIELLO	Department of Physics, King's College London, Strand, London, UK	Modeling the self-assembly of charged molecules on metallic surfaces
	9:45 - 10:00	BOARINO	INRIM, NanoFacility, Division Electromagnetism, Torino, Italy	Nanofabrication by supramolecular self-assembly and mediated laser ablation
	10:00 - 10:30	COFFEE BREAK		
	10:30 - 12:30	MOLECULAR SELF ASSEMBLY (Chairperson:)		
Keynote	10:30 - 11:00	BARTH J.	Physik Department E20, TU München, Garching, Germany	Porphyrin nanochemistry - a 2D perspective
	11:00 - 11:15	MORGADO	Instituto de Telecomunicações and Bioengineering Department, Instituto Superior Técnico, Technical University of Lisbon, Lisboa, Portugal	Self-assembly of a zinc-porphyrin on HOPG studied by STM at the liquid-solid interface and stepwise growth of molecular wires
	11:15 - 11:30	MELIS	Dipartimento di Fisica Università di Cagliari, Monserrato, Cagliari, Italy and Istituto Officina dei Materiali CNR Ricerche, Trieste, Italy	Diffusion and self-assembling of Zinc Phthalocyanines on the ZnO (10-10) surface: a combination of Metadynamics and Metropolis Montecarlo simulations

	11:30 - 11:45	RIELE	University of Roma Tor Vergata, Roma, Italy, and TU Berlin, Berlin, Germany	Thin layer growth of differently shaped Phthalocyanine molecules on reconstructed GaAs(001) surfaces
	11:45 - 12:00	SHEREMET	Semiconductor Physics, Chemnitz University of Technology, Chemnitz, Germany	Size and Gap Dependent SERS and TERS Measurements of Phthalocyanine Molecules on Specially Designed Substrates
	12:00 - 12:15	WINKLER	Institute of Physical Chemistry PAS, Warsaw, Poland	Stable and Efficient SERS Platform Produced by Hierarchical Self Assembly
CYPREA ROOM				
	8:30 - 10:00	CARBON NANOTUBES (Chairperson:)		
Invited	8:30 - 9:00	ARAMO	INFN, Sez. di Napoli, Dipartimento di Scienze Fisiche, Università degli Studi di Napoli "Federico II", Napoli, Italy	A new Silicon-CNT photodetector
	9:00 - 9:15	CAPASSO	School of Engineering Systems, Faculty of Built Environment and Engineering, Queensland University of Technology, Brisbane, Australia	Carbon nanotubes-enhanced electrodes for organic and dye-sensitized solar cells
	9:15 - 9:30	GROSSI	Dipartimento di Fisica, Università degli Studi dell'Aquila, Coppito (AQ), Italy	Photocurrent from planar strips of multi wall carbon nanotubes
	9:30 - 9:45	MELISI	INFN Sez. di Bari, Bari, Italy	Fabrication and characterization of UV detectors with multiwalled carbon nanotubes using spray technique
	9:45 - 10:00	SCARSELLI	Dipartimento di Fisica, Università di Roma Tor Vergata, Roma, Italy	Effects of the deposition of noble metal nanoparticles on the multiwall carbon nanotube photo-electrochemical response
	10:00 - 10:30	COFFEE BREAK		
	10:30 - 12:30	CARBON NANOTUBES (Chairperson:)		
Keynote	10:30 - 11:00	BATTIE-LOISEAU	Laboratoire d'Etudes des Microstructures - ONERA-CNRS - Chatillon France	Using carbon nanotubes for a selective gas sensing
	11:00 - 11:15	UMEMURA	Faculty of Science, Tokyo University of Science, Shinjuku, Tokyo, Japan	Study of dispersed single-walled carbon nanotubes by atomic force microscopy
	11:15 - 11:30	LEFRANT	Institut de Matériaux de Nantes, Nantes, France	Carbon nanotube nanostructures: Resonance and Anti-Stokes Raman effects
	11:30 - 11:45	GAUTRON	Institut des Matériaux Jean Rouxel (IMN)- UMR 6502, Université de Nantes, CNRS, Nantes, France	Characterisation of iron nanoparticles in carbon nanotubes grown on stainless steel substrate used as catalyst
	11:45 - 12:00	PAGLIARA	Interdisciplinary Laboratories for Advanced Materials Physics (i-LAMP) and Dipartimento di Matematica e Fisica, Università Cattolica del Sacro Cuore, Brescia, Italy	Relaxation dynamics in vertically aligned Single- and Multi-Wall Carbon nanotubes
	12:00 - 12:15	GIRI	Department of Physics, Indian Institute of Technology Guwahati, Guwahati, India	Defect Engineering in Carbon Nanotubes and Its Application for Efficient Fluorescence Quenching in Single Walled carbon Nanotubes
	12:15 - 12:30	GAILLARD	GREMI, Université-CNRS, BP6744, 45067 Orléans cedex2, France	Electrical and thermal characterization of next generation nanoscale porous materials for 3D integration schemes

Afternoon

EXCURSION

THURSDAY JUNE 28th

	TIME	NAME	INSTITUTION	TITLE
NAUTILUS ROOM				
	9:00 - 10:30	GRAPHENE (Chairperson:)		
Invited	9:00 - 9:30	SUTTER P.	Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, New York, USA	Growth of 2D Graphene-Boron Nitride Heterostructures
	9:30 - 9:45	HSIANG	Department of Chemistry, Center for Nanotechnology, Chung-Yuan Christian University, Chungli, Taiwan, R.O.C.	Synthesis of Graphene-based Nanosheets via Chemical Reduction using Titanium Metal Powders in Acid Solution
	9:45 - 10:00	CAPUTI	Surface Nanoscience Group, Department of Physics, University of Calabria, Rende (CS), Italy	Intraband plasmon dispersion in graphene/Ni (111)
	10:00 - 10:15	STRUPINSKI	Institute of Electronic Materials Technology, Warsaw, Poland	Growth of graphene by CVD and Si sublimation methods on SiC substrates
	10:30 - 11:00	COFFEE BREAK		
	11:00 - 12:30	METALLIC NANOWIRES (Chairperson:)		
	11:00 - 11:15	CHEN	Department of Materials Science and Engineering, National Cheng Kung University, Taiwan	Fabrication and Properties of Electrospun Silver Nanofibers as Transparent Conductive Electrodes
	11:15 - 11:30	BUATIER	Dipartimento di Fisica, Università di Genova, Genova, Italy	Self-organised Ion Beam Synthesis of Transparent and Flexible metal nanowire electrodes with tunable plasmonic functionality
	11:30 - 11:45	RESPAUD	LPCNO (CNRS-INSA-UPS), Toulouse, France	Elaboration and magnetic properties of monocrystalline sub-10nm Co nanowires directly grown on metallic surfaces by chemical solution epitaxy
	11:45 - 12:00	SAMARDAK	Laboratory of Thin Film Technologies, School of Natural Sciences, Far Eastern Federal University, Vladivostok, Russia	Magnetic properties of amorphous CoP nanowires electrodeposited in alumina template
	12:00 - 12:15	MRZEL	Jozef Stefan Institute, Ljubljana, Slovenia	Molybdenum based Nanowires and Nanotubes by a Two-Step Molybdenum/ Chalcogenide/ Halide Approach
	12:15 - 12:30	DZHES	D. Serikbayev East Kazakhstan State Technical University, Ust-Kamenogorsk, Kazakhstan	Computer simulation of deformation martensite three-dimensional intergrowth needles in Fe-Mn-C systems
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 19:30	GRAPHENE (Chairperson:)		

Invited	16:30 - 17:00	VOGT	Technische Universität Berlin, Institut für Festkörperphysik, Berlin, Germany and CINaM-CNRS, Campus de Luminy, Marseille, France	Formation of 2D Silicene on Ag(111): growth mode, atomic arrangements and Dirac fermions
Invited	17:00 - 17:30	CADELANO	SLACS, CNR-IOM, Cittadella Universitaria, Monserrato, Cagliari, Italy	How the mechanical properties of graphene are affected by the hydrogen coverage
	17:30 - 17:45	RICCO	Dipartimento di Fisica, Università di Parma, Parma, Italy	Interaction of hydrogen with graphene defects: a muon spectroscopy investigation
	17:45 - 18:00	RUOCCO	Dipartimento di Fisica, Università Roma Tre, Roma, Italy	Electron spectroscopy investigation of Graphene oxide thermal reduction
	18:00 - 18:15	ISHII	Tottori University, Koyama, Tottori, Japan	Density functional calculation for various adatom adsorptions on graphene for using graphene as substrate of self-assembled nano structures
	18:15 - 18:30	POLITANO	Dipartimento di Fisica, Università degli Studi della Calabria, Rende (Cs), Italy	Angle-resolved energy loss spectroscopy experiments on epitaxial graphene on metal surfaces: a powerful tool for investigating vibrational, elastic and electronic properties
	18:30 - 18:45	SINDONA	Dipartimento di Fisica, Università degli Studi della Calabria and INFN, gruppo collegato di Cosenza, Rende (Cs), Italy	Theoretical and experimental study of collective excitations in graphene/Ni(111)
	18:45 - 19:00	PISARRA	Dipartimento di Fisica, Università degli Studi della Calabria & INFN, gruppo collegato di Cosenza, Rende (Cs), Italy	Theoretical and experimental study of the K-edge loss in electron energy loss spectroscopy in Graphene adsorbed on Ni(111) surfaces
	19:00 - 19:15	DEGLI ESPOSTI	CNR-IMM, Sezione di Bologna, Italia	Structural properties of folded few-layers graphene sheets: Computational studies versus transmission electron microscopy analysis
	19:15 - 19:30	LEE D. U.	Department of physics and Research Institute for Natural Sciences, Hanyang University, Seoul, Korea	Electrical characteristics of resistive switching memory with metal-oxide nano-particle on the graphene layer

ASTREA ROOM

	9:00 - 10:30	NANOMAGNETISM (Chairperson:)		
Invited	9:00 - 9:30	ZHUKOV	Depto. de Fis. Mater., UPV/EHU San Sebastián, Spain and IKERBASQUE, Bilbao, Spain	Recent advances in soft magnetic properties and magnetoimpedance of thin magnetic wires
	9:30 - 9:45	CHIZHIK	Universidad del Pais Vasco, San Sebastian, Spain	Magnetic properties of sub-micrometric Fe-rich wires
	9:45 - 10:00	ENCULESCU	National Institute of Materials Physics, Magurele-Bucharest, Romania	Influence of electrodeposition conditions on the magnetic properties of cobalt nanowires
	10:00 - 10:15	PRISCHEPA	Belarus State University of Informatics and Radioelectronics, Minsk, Belarus	Structural and magnetic properties of Ni nanowires grown in mesoporous silicon templates
	10:15 - 10:30	KVEGLIS	Siberian Federal University, Krasnoyarsk, Russia	The variable thermoelectric effect in magnetic viscosity alloy Fe ₈₆ Mn ₁₃ C

	10:30 - 11:00	COFFEE BREAK		
	11:00 - 12:30	NANOSTRUCTURED SOLAR CELLS AND LIGHT SOURCE (Chairperson:)		
Invited	11:00 - 11:30	ESCOUBAS L.	Aix-Marseille University, Institut Matériaux Microélectronique Nanosciences de Provence-IM2NP, CNRS-UMR, Marseille, France	Enhanced absorption of light in organic solar cells by photonic crystals
	11:30 - 11:45	SABA M.	Dipartimento di Fisica, Università di Cagliari, Monserrato, Cagliari, Italy	Bi ₂ S ₃ nanocrystals for non-toxic solar cells
	11:45 - 12:00	BERBEZIER A.	Institute Materials, Microelectronics and Nanosciences of Provence, Marseille, France	Modeling of quantum dot junction for third generation solar cell
	12:00 - 12:15	SALAMONCZYK	Laboratory of Physicochemistry of Dielectrics and Magnetics, University of Warsaw, Warsaw, Poland	TiO ₂ Nanoparticles coated with Organic Dyes
	12:15 - 12:30	FAGLIA	Università degli Studi di Brescia & CNR, Brescia, Italy	Zinc Oxide Nanowires for UV LEDs
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 17:00	MAGNETIC SEMICONDUCTORS (Chairperson:)		
Keynote	16:30 - 17:00	REINKE	University of Virginia, Department of Materials Science and Engineering, Charlottesville, USA	Structure and magnetism in Mn-doped group IV semiconductors
	17:00 - 17:15	GOLDFARB	School of Mechanical Engineering and Materials & Nanotechnologies Program, Faculty of Engineering, Tel Aviv University, Tel Aviv, Ramat Aviv, Israel	Superparamagnetic Self-Organization of Iron-Disilicide Nanoislands
	17:15 - 17:30	REZVANI	School of Science and Technology, University of Camerino, Camerino, Italy	Growth of diluted magnetic germanium nanowires using manganese nano-droplets
	17:30 - 19:30	III-V QUANTUM DOTS (Chairperson:)		
Invited	17:30 - 18:00	ARCIPRETE	Dipartimento di Fisica, Università di Roma "Tor Vergata", Roma, Italy	Selective Nucleation and Lateral Alignment of Epitaxial InAs Quantum Dots
	18:00 - 18:15	BASKOUTAS	Materials Science Department, University of Patras, Patras, Greece	Ionized Donor Bound Exciton Complex in an Inverse Parabolic Quantum Well: Electric Field Effect
	18:15 - 18:30	HAZDRA	Department of Microelectronics, Faculty of Electrical Engineering, Czech Technical University in Prague, Prague, Czech Republic	Light emitting diodes with InAs/GaAsSb self-assembled quantum dot layer embedded in GaAs
	18:30 - 18:45	KRET	Institute of Physics, PAS, Warsaw, Poland	Structural transformation of MOVPE InGaN QDs during capping with GaN at high temperature
	18:45 - 19:00	MOISEEV	Ioffe Institute St.Petersburg, Russia	High-density uniform quantum dots in narrow-gap InSb/InAs(Sb,P) system
	19:00 - 19:15	STOICA	Peter Grünberg Institute, Forschungszentrum Jülich, and Jülich-Aachen Research Alliance, Jülich, Germany	Photoluminescence and Raman studies of InN-GaN nano-heterostructures selectively grown in small holes of an oxide mask using Metal-Organic Vapor Phase Epitaxy
	19:15 - 19:30	MILEKHJN	A.V. Rzhhanov Institute of Semiconductor Physics and Novosibirsk State University, Novosibirsk, Russia	Micro-Raman phonon scattering by InAs/AlAs quantum dot superlattices
CYPREA ROOM				
	9:00 - 10:30	NANO OXIDES (Chairperson:)		

Invited	9:00 - 9:30	LI BASSI	Department of Energy and Center for Nano Science and Technology, Politecnico di Milano, Istituto Italiano di Tecnologia, Milano, Italy	Nanostructured Oxide Surfaces for Advanced Applications: from Individual Building Blocks to Functional Films
	9:30 - 9:45			
	9:45 - 10:00	DE RENZI	Dipartimento di Fisica Università di Modena e Reggio Emilia & Centro S3, CNR-Istituto di Nanoscienze, Modena, Italy	Energy Level Alignment and Electronic properties at the dye/ZnO interface: a Ultra-High Vacuum investigation on nitrocatechol adsorption on ZnO(10-10) surface
	10:00 - 10:15	BUYANOIVA	Department of Physics, Chemistry and Biology, Linköping University, Linköping, Sweden	Cathodoluminescence characterization of ZnO Tetrapod structures
	10:15 - 10:30	LEE HYUNG JIN	Korea Institute of Ceramic Engineering and Technology (KICET), Seoul, Rep. Korea	Protein coated silica magnetic nanoparticles for environmental and medical applications
	10:30 - 11:00	COFFEE BREAK		
	11:00 - 12:30	CARBON NANOTUBES (Chairperson:)		
Invited	11:00 - 11:30	MOTTA	School of Chemistry Physics and Mechanical Engineering Queensland University of Technology, Brisbane (QLD), Australia	Microscopic studies of polymer-wrapped nanotubes for solar cells
	11:30 - 11:45	DOUDOU	Laboratoire de Recherche sur les Propriétés des Matériaux Nouveaux - Université de Caen, Darnigny, France	Development and characterization of polymer nanocomposites using carbon nanotube - silica hybrids as reinforcing fillers
	11:45 - 12:00	CAMILLI	Dipartimento di Fisica, Università di Roma "Tor Vergata", Roma, Italy	Super-strained epitaxial growth of metal islands on multiwalled carbon nanotubes
	12:00 - 12:15	BARUSELLI	SISSA and CNR-IOM, Democritos Unità di Trieste, Trieste, Italy	Kondo impurities in nanotubes
	12:15 - 12:30	CAPOBIANCHI	Istituto di Struttura della Materia, CNR, Monterotondo, Roma, Italy	FePt(L1 ₀)@MWCNTs/Ru(NPs): A smart nanocomposite for catalysis applications
	13:00 - 16:30	LUNCH AND BREAK		
	16:30 - 19:30	POLYMERS (Chairperson:)		
	16:30 - 16:45	BIRJEGA	National Institute for Lasers, Plasma and Radiation Physics, Bucharest, Magurele, Romania	Layered double hydroxides/ polymer thin films grown by matrix assisted pulsed laser evaporation
	16:45 - 17:00	QUOCHI	Department of Physics, University of Cagliari, Monserrato, Cagliari, Italy	Lasing performance of organic heteroepitaxial nanofibers realized by periodic deposition of para-sexiphenyl and sexithiophene on muscovite
	17:00 - 17:15	MALLOCCI	Istituto Officina dei Materiali del CNR (CNR-IOM), Unità di Cagliari, Monserrato, Cagliari, Italy	Modeling morphology and electronic properties of organic oligomers on ZnO
	17:15 - 17:30	MATTONI	Istituto Officina dei Materiali del CNR (CNR-IOM), Unità di Cagliari, Monserrato, Cagliari, Italy	Theoretical design of self-assembled interlayers for efficient photoconversion at polymer/metaloxide interfaces
	17:30 - 17:45	SABA M. ILENIA	Department of Physics, University of Cagliari and CNR-IOM, Unità Cagliari, Monserrato, Cagliari, Italy	Atomistic investigations of the P3HT/ZnO interface by including solvent effects

17:45 - 18:00	PACZESNY	Institute of Physical Chemistry, Warsaw, Poland	Layering transition in thin films of partially fluorinated bolaamphiphiles at the air-water interface
18:00 - 18:15	MANCA	Department of Physics, University of Cagliari, Monserrato Cagliari, Italy	Thermoelastic force-extension behavior of polymers with elastic bonds
18:15 - 18:30	YERLIKAYA	Istanbul Technical University, Nano Science & Nano Engineering, Istanbul, Turkey	Nanofibers and Characterizations of Polypyrrole /Poly(Acrylonitrile-co-Methylacrylate) Composites
18:30 - 18:45	IVAS	NCCR Nanoscale Science and Department of Physics, University of Basel, Basel, Switzerland	Confinement effects of a nanoporous network on the Copper surface
18:45 - 19:00	CADDEO	Department of Physics, University of Cagliari and Istituto Officina dei Materiali del CNR, Monserrato, Cagliari, Italy	Nanoscale effects on polymer-ZnOhybrids for photovoltaics
19:00 - 19:15	RUDKO	Institute of Semiconductor Physics NAS of Ukraine, Kiev, Ukraine	Nanocomposites properties variation under UV-exposure
19:15 - 19:30	DOLAS	Department of Chemistry, Polymer Science and Technology, Istanbul Technical University, Istanbul, Turkey	The Voltage Effect on Impedance of Polythiophene Obtained from Boron Trifluoride Diethyl Etherate Solution

FRIDAY JUNE 29th

TIME	NAME	INSTITUTION	TITLE
NAUTILUS ROOM			
9:00 - 10:00	MOLECULAR SELF ASSEMBLY (Chairperson:)		
9:00 - 9:15	BOURNEL	Lab. de Chimie Physique Matière et Rayonnement, Université Pierre et Marie Curie, Paris, and Synchrotron SOLEIL, Gif-sur-Yvette, France	Auto-organized adsorption of triethylamine on Si(001)-2x1 at room temperature: a scanning tunneling microscopy and a X-ray photoemission study
9:15 - 9:30	SWARTZ	Physics of Interfaces and Nanomaterials, MESA+ Institute for Nanotechnology, University of Twente, Netherland	Nucleation in action: BDA on Cu(001) studied by LEEM
9:30 - 9:45	GALLET	Lab. de Chimie Physique Matière et Rayonnement, Université Pierre et Marie Curie, Paris, and Synchrotron SOLEIL, Gif-sur-Yvette, France	Reactivity of TetraEthylOrthoSilicate (TEOS) on clean Si(001)-2x1 surfaces
9:45 - 10:00	PATRONE	CNRS, IM2NP, Université Aix-Marseille Université, Place Georges Pompidou, Toulon, France	N and P type sigma-pi-sigma self-assembled monolayers studied by STM
10:00 - 10:30	COFFEE BREAK		
10:30 - 12:30	POLYMERS, COLLOIDES AND QUANTUM DOT (Chairperson:)		
10:30 - 10:45	MISTZA	Istituto Italiano di Tecnologia, Genova, Italy	Cation Exchange Reactions in Colloidal Nanocrystals - A route toward new materials
10:45 - 11:00	SALAUN	CNRS/UJF-Grenoble /CEA LTM, Grenoble, France	PS-b-PDMS block copolymer directed self-assembly by topographical and chemical substrate engineering

	11:00 - 11:15			
	11:15 - 11:30	MISTZA	Istituto Italiano di Tecnologia, Genova, Italy	Hierarchical self-assembly of suspended branched colloidal nanocrystals into superlattice structures
	11:30 - 11:45	GEORGIESKI	Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, Czech Republic	Polydopamine-modified Nanocrystalline Diamond Thin Films as a Platform for Future Bio-sensing Applications
	11:45 - 12:00	COZZARINI	Dipartimento di Ingegneria Industriale e dell'Informazione, Università degli Studi di Trieste, Trieste, Italy	Synthesis of CdSe/CdS nanostructured, multiphase material via heat treatment of colloidal quantum dot assemblies
	12:15 - 12:30	VANETSEV	Kurnakov Institute of General and Inorganic Chemistry RAS and Lomonosov Moscow State University, Moscow, Russia	Microwave-hydrothermal synthesis of monodisperse luminescent nanoparticles of Rare Earth compounds
ASTREA ROOM				
	8:30 - 10:00	NANOMATERIALS (Chairperson:)		
	8:30 - 8:45			
	8:45 - 9:00			
	9:00 - 9:15	KANZARI	Laboratoire de Photovoltaïque et Matériaux Semi-conducteurs - Ecole Nationale d'Ingénieurs de Tunis, Tunis, Tunisie	Study of structural, morphological and optical properties of Sb ₂ S ₃ thin films deposited by obliquely angle deposition
	9:15 - 9:30	DECALHEIROS VELOZO	Dep. de Física, Instituto Superior Técnico (UTL), Lisboa, Portugal	Thermal Dehydrogenation of Amorphous Silicon: Effect of the Substrate Temperature During Deposition
	9:30 - 9:45	FERID	Laboratoire de Photovoltaïque et Matériaux Semi-conducteurs - Ecole Nationale d'Ingénieurs de Tunis, Tunis, Tunisie	Structural, morphological and optical evaluation for nanosculptured CuInS ₂ , CuIn ₃ S ₅ and CuIn ₅ S ₈ thin films by Glancing Angle Deposition
	9:45 - 10:00	LEPORE	Lab. of Bio-Inspired Nanomechanics "Giuseppe Maria Pugno", Depart. of Structural Engineering and Geotechnics, Politecnico di Torino, Torino, Italy	Biomimetic water repellent hierarchical coatings by co-assembled nanospheres
	10:00 - 10:30	COFFEE BREAK		
	10:30 - 12:30	THIN FILMS (Chairperson:)		
	10:30 - 10:45	LANCOK J.	Institute of Physics AS CR, Prague, Czech Republic	Investigation of ultrathin noble metal films and nanoparticles by advanced NanoESCA instruments
	10:45 - 11:00	MENEGHINI	Univ. di Roma Tre Dip. di Fisica E. Amaldi, Roma, Italy	The corrosion process: the case of Cu ₃ Au thin films studied using x-ray standing wave techniques
	11:00 - 11:15	SLIWINSK	Photophysics Dept., The Szwalski Institute of F-FM, Polish Academy of Sciences, Gdansk, Poland	Nanopatterning of the Au thin films by pulsed UV laser irradiation

	11:15 - 11:30	DOLE	Advanced Materials Research Laboratory, Dept. of Physics, Dr. Babasaheb Ambedkar Marathwada Univ., Aurangabad, India	Structural, electrical, magnetic and morphological characterization of Pr substituted (Eu, Gd) - 123 high T _c nanosized superconductors
	11:30 - 11:45	GORISSE	CEA-Grenoble/INAC/SiNaPS-MINATEC, Grenoble, France	Self-Assembly Porous Anodic Alumina by NanoImprinting Lithography
	11:45 - 12:00	RAU	Istituto di Struttura della Materia, CNR, Roma, Italy	Bioactive glass-ceramic coatings for regenerative nanomedicine
	12:00 - 12:15	CARLES	CEMES, CNRS-Univ. Toulouse, Toulouse Cedex, France	Three dimensional design of silver nanocrystals assemblies embedded in dielectrics for spectroscopy enhancement and dark-field imaging
	12:15 - 12:30	COLANTONI	Università di Roma Tor Vergata, Dipartimento di Fisica, Roma, Italy	Study of the crystalline phases in paste coating deposition of CIGS

CYPREA ROOM

	8:30 - 10:00	NANOPARTICLES (Chairperson:)		
	8:30 - 8:45			
	8:45 - 9:00	SASHUK	Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland	Creating ultra thin films via self-assembly of charged nanoparticles at fluid interfaces
	9:00 - 9:15	BENEDETTI	Dip. di Fisica, Università di Modena e Reggio Emilia & Centro S3, Istituto Nanoscienze, CNR, Modena, Italy	Substrate-driven self-assembling of metal nanocluster ordered arrays
	9:15 - 9:30	BENKOVICOVA	Institute of Physics SAS, Bratislava, Slovak Republic	Preparation of gold nanoparticles for plasmonic applications
	9:30 - 9:45	CHIBOTARU	Division of Quantum and Physical Chemistry, K.U. Leuven, Heverlee, Belgium	Theoretical modeling of the confinement of surface state electrons in self-organized Co and Au islands on Au(111)
	9:45 - 10:00	COURSAULT	CNRS, UMR7588, Institut des Nano-Sciences de Paris (INSP) & Univ. Paris, Institut des Nano-Sciences de Paris, Paris, France	Linear self-assembly of nanoparticles within smectic liquid crystal defect pattern
	10:00 - 10:30	COFFEE BREAK		
	10:30 - 12:30	NANOPARTICLES (Chairperson:)		
Invited	10:30 - 11:00	BULIR	Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic	Preparation of nanostructured silver layer: the process control and monitoring
	11:00 - 11:15	LACAVA	Leibniz Institute for New Materials (INM), Saarbrücken, Germany	Self-Assembly of nanoparticles into Lennard-Jones-like clusters
	11:15 - 11:30	MEGIEL	Faculty of Chemistry, University of Warsaw, Pasteura, Warsaw, Poland	Gold Nanoparticles covered by nitroxide radicals - synthesis, electrochemical characteristic and catalytic ability

11:30 - 11:45	BATTOCCHIO	Department of Physics, INSTM and CISDiC, University Roma Tre, Rome, Italy	Silver nanoparticles capped by Pt-containing organometallic dithiols: interaction at the metal/ligand interface and surface structure studied by SR-XPS and XAS
11:45 - 12:00	ANASTOSSOPOULOS	Department of Electrical and Computer Engineering National Technical University of Athens Zografou Campus, Athens, Greece	A three-dimensional WKB calculation of the charging and retention times of metal nanoparticles embedded in a dielectric matrix
12:00 - 12:15	COURTY	Laboratoire des Matériaux Mésoscopiques et Nanométriques, CNRS, Université Pierre et Marie Curie, Paris, France	3D Supracrystals of Ag Nanocrystals: Control of Order and Periodicity
12:00 - 13:00	NANOMATERIALS AND NANOTECHNOLOGY: CONCLUDING REMARKS (<i>NAUTILUS ROOM</i>)		

List of authors and titles of Posters presented

NAME	INSTITUTION	TITLE
ABAKEVICIENE	Department of Physics, Kaunas University of Technology, Lithuania	Co-precipitation synthesis and characterization of NiO-YSZ nanocomposite powders
ABAKEVICIENE	Department of Physics, Kaunas University of Technology, Lithuania	Synthesis of GDC thin films by the novel aqueous sol-gel citrate-precursor method
AMBROSONE	SPIN-CNR, Dipartimento di Scienze Fisiche, Università di Napoli "Federico II", Napoli, Italy	Nanostructured silicon carbon thin films grown in PECVD
AMMAR M	PMLNMH, Faculté des Sciences de Bizerte, Zarzouna 7021, Tunisia	Hydration-dehydration performance of (Na ⁺ , Cs ⁺) exchanged smectite: effect of the charge location and the cation nature
BARBERIO	Dipartimento di Fisica Università della Calabria, Rende (Cs), Italy	Growth and characterization of carbon nanotubes based heterostructures
BARTH C	CINaM-CNRS, Aix-Marseille University, Marseille, France	Growth and work function studies of NaCl thin films on silver
BONGIOVANNI	Dipartimento di Fisica, Università di Cagliari, Italy	Charged exciton dynamics in colloidal quantum dots investigated by transient nonlinear photoluminescence spectroscopy: from the single pulse to the megahertz excitation regime
BOYTSOVA	Academy of Sciences of the Czech Republic, Prague, Czech Republic	A process of nanomachining a nanoporous anodized aluminum oxide by chemical photolithography for sensor applications
CANNAS	Dipartimento di Scienze Chimiche, Università di Cagliari, Italy	Engineering of colloidal magnetite and cobalt ferrite nanoparticles for biomedical applications
CAPPELLINI	Department of Physics, University of Cagliari and IOM - CNR Cagliari, Italy	Many-body effects in the electronic and optical properties of materials for UV applications: the case of barium fluoride
CARJOVA	M.sc.ing. Riga Technical University, Latvia	Research on physical-mechanical properties of nanostructured ion-plasma wear-resistant coatings
CILMO	INFN and Dipartimento di Scienze Fisiche, Università degli Studi di Napoli "Federico II", Napoli, Italy	Modelling and simulation of a silicon-CNT photodetector
COLIN	Université de Poitiers, France	Patterning of thin film surfaces: effect of misfit stress on the morphology of ring-shaped and bilayer islands
DE ANGELIS	IIT, NanoBioScience Department, Genova, Italy	Breaking the diffusion limit of nanosensors through super hydrophobic and nano plasmonic structures

DE CARVALHO	Departamento de Ciência dos Materiais, FCT-UNL, Caparica and ICEMS Lisboa, Portugal	Cu _x S thin films: main properties and device application
ENCULESCU	National Institute of Materials Physics, Magurele, Romania	Emissive properties of dye-doped polymer thin films containing metallic nanostructures
FARHADYAR	Department of Chemistry,, Islamic Azad University, Tehran, Iran	Preparation and Characterization of Nanosized Zinc Oxide on Zinc Sulfide and study of photocatalytic activity
FILIPPOV	Department of Physics, Chemistry and Biology, Linköping University, Sweden	Raman scattering studies of Ni-coated ZnO nanorods
GONCHARENKO	Department of Physics, National Cheng-Kung University, Taiwan, Institute of Semiconductor Physics & National Academy of Sciences of Ukraine, Kyiv, Ukraine	Three-dimensional broadband epsilon-near-zero nanostructured metamaterials
HUNER	Department of Chemistry, Istanbul Technical University, Turkey	The effect of dielectric constant on electrochemical properties of copolymer 3,4-Ethylenedioxythiophene and p-TSP
IACOMI	Faculty of Physics, "A.I.Cuza" University, Iasi, Romania	Structural Studies on Layered Silicone - Silver Composites
IACOMI	Faculty of Physics, "A.I.Cuza" University, Iasi, Romania	In ₂ -(x+y) Sn _x Zn _y O _{3-d} thin films for transparent electronics
KAMIENIARZ	Faculty of Physics, A. Mickiewicz University, Poznań, Poland	The quantum heterobimetallic zigzag chains and isolated centers with bridged Re (IV) and Cu(II) or Ni(II) magnetic complexes
KIM	Department of physics and Research Institute for Natural Sciences, Hanyang University, Seoul, Korea	Thermal stability and charge loss mechanism of V ₃ Si nano-particles memory device
KOŁPACZYŃSKA	Faculty of Chemistry, University of Warsaw, Warsaw, Poland	Self-assembly of gold nanoparticles covered with rod-like, H- and Π-shaped liquid crystal ligands
KRAL	Institute of Physics, Academy of Sciences of Czech Republic, Prague, Czech Republic	Power-law decay of quantum dot photoluminescence
KRZYCZKOWSKA	University of Warsaw, Warsaw, Poland	Metalomesogens modified by electronoaccepting and electronodoner groups, used for functionalize metal nanoparticles.
KRZYMINIEWSKI	Medical Physics Division, Faculty of Physics, Adam Mickiewicz University, Poznan, Poland	Hydrogel contact lenses as the nanodetector of free radicals
LAVAREDA	Dep. de Ciência de Materiais, Faculdade de Ciências e Tecnologia (UNL), Caparica, Portugal	Determination of Majority Carriers Type in Semiconductors Via TFT Structure
LAVAREDA	Dep. de Ciência de Materiais, Faculdade de Ciências e Tecnologia (UNL), Caparica, Portugal	Nanoscale p/n Junction Depth Control by Emitter Pre-deposition at Room Temperature

LOISEAU	Laboratoire d'Etudes des Microstructures - ONERA-CNRS, Chatillon, France	Studying the growth of single wall carbon nanotubes by Transmission Electron Microscopy and computer simulation
MARCUS	ICMAB-CSIC, Spain	Ultra-High density of ordered Ge Quantum Dots on FIB patterned Si(001) substrate
MARDARE	Alexandru Ioan Cuza University, Faculty of Physics, Iasi, Romania	The Influence of the Nb Content on Some Physical Properties of the Titania Thin Films
MATEI	National Institute of Materials Physics, Magurele, Romania	Tailoring the properties of zinc oxide nanowire arrays by pulsed electrodeposition
MILLUNCHICK	Department of Materials Science and Engineering, University of Michigan, USA	A Unified Formulation of Homoepitaxial Growth, Droplet Formation And Crystallization For Compound Semiconductors
MUNIZ MIRANDA	Dipartimento di Chimica "U. Schiff", Università di Firenze, Sesto Fiorentino, Italy	Nanostructured films of metal particles obtained by laser ablation
MURA	King's College, London, UK	Self-Assembly of Flat Organic Molecules on Metal Surfaces Subtitle: A Theoretical Characterisation of STM Images
NITTI	Physics Department, University of Bari "Aldo Moro", Bari, Italy	Co-sputtering and analytical characterization of ZnO nanoparticles-fluoropolymer thin films for antimicrobial applications
NOSKOV	Siberian Federal University, Krasnoyarsk, Russia	The features of morphology and surface fracture in 100G13L steel with high impact strength
PAK	Quantum-Function Research Laboratory and Department of Physics, Hanyang University, Korea	Structural and optical properties of ZnO films deposited on graphene by sputtering method
PEDDIS	ISM-CNR, Area della Ricerca, Monterotondo Scalo, Roma and Dipartimento di Scienze Chimiche, Università di Cagliari, Italy	Exchange Bias in Fe@Mn nanocomposites
PONELYTE	Kaunas University of Technology, International Studies Centre, Kaunas, Lithuania	Novel piezoelectric ceramic-polymer nanocomposites for optical components
POURESMAEILY	Ministry of Science, Research and Technology Institute for Color Science and Technology, Tehran, Iran	CuO/TiO ₂ heterojunction for photocatalytic H ₂ evolution under simulated sunlight irradiation
POURESMAEILY	Ministry of Science, Research and Technology Institute for Color Science and Technology, Tehran, Iran	N-Alkylation of poor nucleophilic aniline and derivatives with alcohols by a hydrogen autotransfer process catalyzed by Copper oxide nanoparticles
POURESMAEILY	Ministry of Science, Research and Technology Institute for Color Science and Technology, Tehran, Iran	Synthesis of Nano-copper chromite catalysts (CuCr ₂ O ₄) for employ in several organic reaction

RIGONI	Dip. di Mat. e Fis. and Interdisciplinary Laboratory for Advanced Materials Physics, Università Cattolica, Brescia, Italy	Enhancing the sensitivity of carbon nanotube arrays for the detection of sub-ppm concentrations of ammonia in urban environments
URBAHA	M.sc.ing. Riga Technical University, Riga, Latvia	Heat and erosion resistant nanostructured coatings for the gas turbine engines
FAVRE	Aix-Marseille Université, CNRS, IM2NP, France	Self-organization of Au nanodots by ALMIS-FIB induced dewetting
SANGALETTI	Dip. di Mat. e Fis. and Interdisciplinary Laboratory for Advanced Materials Physics, Università Cattolica, Brescia, Italy	Synthesis and applications of hierarchical ZnO - CNT hybrid architectures
SCARISOREANU	Nat. Inst. for Research and Dev. in Microtechnologies, and Nat. Inst. for Laser, Plasma and Radiation Physics, Bucharest, Romania	Nanostructured $Pb_{1-3x/2}La_xZr_{0.2}Ti_{0.8}O_3$, ferroelectric thin films for electro-optical applications
SCARSELLI	Dipartimento di Fisica, Università di Roma Tor Vergata, Roma, Italy	Morphological studies on the noble metal nanoparticles-multiwalled carbon nanotube composites
SHOKUHI	Faculty of Engineering, Qaemshahr Branch, Islamic Azad University, Iran	Optimization of conditions to fabricate high sensitive non-enzymatic Hydrogen peroxide sensor
SLECZKOWSKI	Institut des NanoSciences de Paris, Université Pierre et Marie Curie, Paris, France and MESA & Institute for Nanotechnology, University of Twente, Enschede, The Netherlands	Control of Discotic Liquid Crystals monolayer self-assemblies by molecular engineering
SOBAN	Faculty of Electrical Eng., Czech Technical University and Inst. of Phys, Acad. of Sciences of the Czech Republic, Praha, Czech Republic	CVD graphene on silicon dioxide influence of hydrophobic interlayer
TOCCAFONDI	CNISM and Dipartimento di Fisica, Università di Genova, Genova, Italy	Yeast Cytochrome C monolayers on gold substrates: an UV-Vis investigation by spectroscopic ellipsometry
TODEA	Faculty of Physics & Institute of Interdisciplinary Research in Bio-Nano-Sciences, Babes Bolyai University, Cluj-Napoca, Romania	Nanostructured surface changes of aluminosilicate microspheres immersed in simulated body fluid
ZAGHDOUDI	Photovoltaic Lab. Res. and Tech. Centre of Energy, Borj-Cedria Science and Technology Park, Hammam-Lif, Tunisia.	Optical and structural properties of organic-inorganic hybrid perovskite $(C_{12}H_{25}NH_3)_2PbI_4$ quantum wells embedded in porous anodic alumina
ZHUKOV	Dpto. de Fís. Mater., UPV/EHU San Sebastián and IKERBASQUE, Basque Foundation for Science, Bilbao, Spain	Tailoring of domain wall dynamics in amorphous microwires

ZHUKOVA

Dpto. de Física de Materiales, Fac. Químicas, UPV/EHU,
San Sebastián, Spain

Magnetic and transport properties of Co-Cu microwires with granular structure