

### SUNDAY, MAY 13, 2007

09.00-12.00	<b>REGISTRATION</b>	
12.00	<b>WELCOME RECEPTION</b> - Light lunch	
13.45-14.00	<b>WELCOME ADDRESS:</b> Costas Galiotis (Chairman) and Jose Kenny (Nanofun-Poly & ECNP Director)	
14.00 - 14.40	<b>OPENING PAPER - INVITED LECTURE:</b> Ray Baughman: "Solid-State Fabrication of High Performance Carbon Nanotube Yarns and Transparent Sheets and their Multifunctional Applications"	
	<b>SESSION 1: NANOCOMPOSITES</b>	Chairs: Costas Galiotis and Jose Kenny
14.40-15.00	Luca Valentini	Electrophoretically deposited carbon nanotube thin films: a route to functional nanostructures and their assembled nanocomposites [39]
15.00-15.20	Jiri Pflieger	pi-Conjugated polymer composites containing noble metal nanoparticles [28]
15.20-15.40	Galder Kortaberria	Molecular dynamics of PMMA/montmorillonite nanocomposites by dielectric relaxation spectroscopy [11]
15.40-16.00	Giselle BOITEUX	Conductive Polymer Composites Containing Carbon Nanotubes with Ultralow Percolation Threshold [5]
16.00-16.20	Alkis Paipetis	Stiffness degradation monitoring of carbon nanotube doped Glass/Vinylester Composites via Resistance measurements [46]
16.20-16.40	Federica Bellucci	Intercalation degree in PP/organo-clay nanocomposites: Role of surfactant structure [4]
16.40-17.10	Coffee Break	
	<b>SESSION 1 (continued)</b>	Chairs: Jean-Francois Gerard and Giovanni Camino
17.10-17.30	Spiros Anastasiadis	<b>KEYNOTE LECTURE:</b> Structure and Dynamics of Polymer / Layered Silicate Nanohybrids [2]
17.30-17.50	Hernandez-Avila Marcelo	Effect of dispersion mechanism and influence of poly (methyl methacrylate) (PMMA) on PMMA-Epoxy-Clay ternary composites [12]
17.50-18.10	Ton Peijs	Multifunctional polymer fibres based on carbon nanotubes... or how to get the most out of carbon nanotubes [18]
18.10-18.30	Alberto Mariani	On the use of frontal polymerization in the preparation of nanocomposites based on layered silicates and POSS [20]
18.30-18.50	Thomas Pernicek	Nano-clay presence: The effect on morphology and thermal stability [26]
18.50-19.10	Nickolaos Zafeiropoulos	The Effect of the Inorganic Phase on the Properties of Hybrid Nanomaterials [42]
19.10-19.30	John Hutchinson	Nanostructure development and cure kinetics in epoxy-based PLS nanocomposites [45]
20.00	Cheese & Wine Reception	

**MONDAY, MAY 14, 2007**

<b>SESSION 2: CHARACTERIZATION OF NANOSTRUCTURED POLYMERS</b>			Chairs: Manfred Stamm and Spyros Ladas
8.30-9.10	Enrico Dalcanale	<b>INVITED LECTURE:</b> Supramolecular Host-Guest Polymers	
9.10-9.30	Roberto Williams	Photoluminescence of Nanostructured Bridged Silsesquioxanes Containing Urea Groups Doped with Safranin-O [41]	
9.30-9.50	Beata Luszczynska	Influence of physical and chemical modification on charge carries trapping and recombination processes in polyfluorenes [17]	
9.50-10.10	Ioan-Ovidiu Pana	Magnetic composites between core-shell Fe@Au nanoparticles and polymers [23]	
10.10-10.30	Foteini Petraki	A spectroscopic study of the interface of Nickel Phthalocyanine with PEDOT:PSS film [27]	
10.30-11.00	Coffee Break		
<b>SESSION 2 (continued)</b>			Chairs: Carmen Mijangos and Stella Kennou
11.00-11.20	Doris Pospiech	New polymers for tailor-made nanocomposites [30]	
11.20-11.40	Lex Roes	Ex-ante environmental and economic evaluation of organic photovoltaics [32]	
11.40-12.10	Jorge Rubio	Smart Multifunctional Hybrid Microgels for Biological Applications [33]	
12.10-12.30	Rodica-Paola Turku	Functionalized nanostructures with magnetite core and pyrrole copolymers shell [38]	
12.30-14.00	Lunch		
<b>SESSION 3: CHEMICAL FUNCTIONALIZATION OF INCLUSIONS</b>			Chairs: Constantinos Tsitsiliannis and Jiri Pflieger
14.00-14.40	Maurizio Prato	<b>INVITED LECTURE:</b> Chemical Modifications of the Nanotubes	
14.40-15.00	Nikos Tagmatarchis	Diverse Strategies for the Chemical Functionalization of Carbon Nanohorns [36]	
15.00-15.20	Katerina Kotti	Synthesis of Polymer-Silica Composite Nanoparticles for Electroplated Coatings [15]	
15.20-15.40	Gabriella Faiella	Study of the dispersion process of carbon nanotubes in aqueous solution by using UV-vis spectroscopy [10]	
15.40-16.00	Elias Lama	Dispersion of Silica Nano Particles in Polymer Blends: Interface and Morphology [9]	
16.00-16.20	Pilar Tiemblo	Tuning of the Surface Properties of Silica Nanoparticles by Chemical Modification [37]	
16.20-16.40	Mukesh Agrawal	Fabrication of core-shell composite particles and hollow spheres with tailored morphology and shell thickness [1]	
16.40-17.00	Dimitrios Tassis	Processing of high volume epoxy composites reinforced by carbon nanotubes [48]	
17.00-19.00	<b>Poster presentations</b>		
20.00	Banquet (Vidos Island)		

**TUESDAY, MAY 15, 2007**

<b>SESSION 4: SYNTHESIS AND DESIGN OF NANOSTRUCTURED POLYMERS</b>			Chairs: Saverio Russo and Jannis Kallitsis
8.30-9.10	Dieter Schlueter	<b>INVITED LECTURE:</b> Dendronized Polymers: From a Curiosity to a Potentially Useful Material	
9.10-9.30	Manfred Stamm	Switchable Polymer Brushes for Control of Surface Nanostructure and Functionality [35]	
9.30-9.50	Constantinos Tsitsilianis	Design of Nanostructured Self-assemblies with Tunable Responsive Properties [47]	
9.50-10.10	Brigitte Voit	Functional block copolymers by controlled radical polymerization [40]	
10.10-10.30	Apostolos Avgeropoulos	Synthesis, Molecular and Morphological Characterization of High Molecular Weight Linear Diblock Copolymers of Polystyrene (PS) and Poly(Dimethylsiloxane) [3]	
10.30-11.00	Coffee Break		
<b>SESSION 4 (continued)</b>			Chairs: Brigitte Voit and Vassilis Gregoriou
11.00-11.20	Alexander Chervanyov	Mixed Brushes as Self-Adoptive Nano-Patterns that Enhance Polymer Adsorption [7]	
11.20-11.40	Anton Kiriya	Conductive Polymer Brush of Regioregular Head-to-Tail Poly(3-alkylthiophene) via Catalyst-Transfer Surface-Initiated Polycondensation [16]	
11.40-12.00	Eleferios Pefkianakis	Synthesis and characterization of nanostructured functional polymer-metal complexes via ATRP and polycondensation and their applications [25]	
12.00-12.20	Christos Chochos	Self Organized Brush-Type Copolymers Bearing Polythiophene Backbone and Side Chain Polyquinoline Blocks [8]	
12.20-12.40	Jean-Francois Gerard	In Situ Ring-Opening Polymerization of L-Lactide in the Presence of Fumed Silica []	
12.40-14.00	Lunch		
<b>SESSION 5: INTERFACIAL EFFECTS</b>			Chairs: Jacek Ulanski and Spiros Anastasiadis
14.00-14.40	Monique Mauzac	<b>INVITED LECTURE:</b> Molecularly imprinted polymers: state of the art and some perspectives	
14.40-15.00	Massimo Messori	On the improvement of surface properties of polycarbonate [21]	
15.00-15.20	Josef Jancar	Role of interphase in polymer matrix composites on micro- and nanoscale: Continuum mechanics vs. polymer physics [13]	
15.20-15.40	Evagelia Kontou	Micromechanical Behaviour of Particulate Polymer Nanocomposites [44]	
15.40-16.00	Olympia Kotrotsou	Molecularly Imprinted Polymers for Selective Recognition of Biomolecules [14]	
16.00-16.30	Coffee Break		
<b>SESSION 6: MODELLING AND HEALTH ISSUES</b>			Chairs: Patrik Fernberg and Ton Peijs
16.30-16.50	Rodger Duffin	<b>INVITED LECTURE:</b> Toxicology of Nanoparticles	
16.50-17.10	Christos Chamis	Analysis and Fracture of Nanolaminates Composites [6]	
17.10-17.30	Jan Somvarsky	Modeling & simulation interests, methods and applications of CRNCPM [34]	
17.30-17.50	Jan Zidek	Modeling of non-elastic deformation response of rubber nanocomposites [43]	
17.50-18.10	<b>CLOSING CEREMONY</b>		
20.30	Dinner Executive-Scientific Council		

**WEDNESDAY, MAY 16, 2007**

09.00-13.00	Scientific Council Meeting (Room: "Penelope")
13.00-14.00	Lunch Executive-Scientific Council
14.00-17.00	Nanofun Steering Committee Meeting (Room: "Penelope")