

Tuesday, Sept 20th, 2011

9.00-10.30	Registration	
10.30-11.00	OPENING REMARKS	
Session 1: chair R. d'Agostino		
11.00-11.20	O1	H. Biederman (U. Prague, CZK), O. Polonskyi, J. Kousal, O. Kylian, M. Drabik, A. Choukourov, P. Solar, A. Serov, D. Slavinska <i>Nanoparticles, nanocomposite and nanocluster films prepared by means of gas aggregation cluster source</i>
11.20-11.40	O2	V. Korstgens (Technische U. München, Garching, GER), M. Philipp, M. Rawolle, G. Benecke, G. Herzog, M. Schwartzkopf, S.V. Roth, P. Müller-Buschbaum <i>In situ GISAXS investigation of flow induced surface attachment of gold nanoparticles in a micro-fluidic cell</i>
11.40-12.00	O3	O. Kylian (U. Prague, CZK), O. Polonskyi, J. Prokeš, A. Artemenko, J. Čechvala, P. Solař, M. Drábik, A. Choukourov, J. Pešička, L. Nichtová, D. Slavínská, H. Biederman <i>Characterization of Pt nanocluster films deposited by gas aggregation cluster source</i>
12.00-12.50	IN1	INVITED LECTURE E. Kovacevic (U. Orleans, FRA), Johannes Berndt, Laifa Boufendi <i>Plasma-based formation of polymer-graphite nanocomposites</i>
12.50-14.30	lunch	
Session 2: chair H. Biederman		
14.30-14.50	O4	S.V. Roth (DESY Hamburg, GER), M.M. Abul-Kashem, G. Benecke, A. Buffet, G. Herzog, E. Metwalli, P. Müller-Buschbaum, J. Perlich, R. Röhlberger, A. Rothkirch, M. Schwartzkopf, K. Schlage <i>In-situ observation of thin metal layer growth on nanostructured polymer films</i>
14.50-15.10	O5	D. Erb (DESY Hamburg, GER), K. Schlage, R. Röhlberger <i>Self-Assembled Poly(styrene-b-methylmethacrylate) Thin Films as Templates for Magnetic Nanostructures</i>
15:10-15:30	O6	G. Kaune, Ezzeldin Metwalli, Robert Meier, Volker Körstgens, Kai Schlage, Sebastien Couet, Stephan V. Roth, Ralf Röhlberger, Peter Müller-Buschbaum (Technische U. München, Garching, GER) <i>Growth and Morphology of Sputtered Metal Thin Films on Conducting Polymer Surfaces</i>
15.30-16.00	coffee break	
Session 3: chair P. Favia		
16.00-16.50	IN2	INVITED LECTURE D. Mariotti (U. Ulster, UK) <i>Microplasmas for nanomaterials synthesis and surface engineering</i>
16.50-17.10	O7	E.N. Konyushenko (Academy of Science Prague, CZK), J. Stejskal, M. Trchová, Z. Rozlívková, J. Zemek <i>Composite materials based on multi-wall carbon nanotubes and conducting polymer, polyaniline</i>
17.10-17.30	O8	K. Makasheva (U. Toulouse, FR) B. Despax, S. Perret-Tran-Van, C. Bonafos <i>Structural and electrical characterization of Si nanocrystal memory devices created in stepwise process: PPECVD followed by thermal oxidation</i>
17.30-17:50	O9	D. Longano, N. Ditaranto, L. Sabbatini, L. Torsi, N. Cioffi (U. Bari, ITA) <i>Synthesis and spectroscopic characterization of copper-based antimicrobial nanocomposites</i>
17.50-18.10	O10	F. Palumbo (CNR-IMIP, Bari, ITA) <i>Plasma deposition of fluorocarbon films containing platinum nanoclusters for fuel cells applications</i>

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Session 4: chair D. Mariotti

9.00-9.20	O11	G.V. Bianco (IMIP-CNR, Bari, ITA), Maria M. Giangregorio, Pio Capezzuto, Maria Losurdo, Giovanni Bruno <i>Plasma-Plasmonics synergy in the Ga-catalyzed growth of Si-Nanowires</i>
9.20-9.40	O12	A. Panniello (CNR-IPCF Bari, ITA), M. L. Curri, T. Placido, V. Reboud, N. Kehagias, C. M. Sotomayor Torres, D. Mecerreyes, A. Agostiano, M. Striccoli <i>Au nanoparticles based nanocomposites: novel opportunities for plasmonic applications</i>
9.40-10.00	O13	A. Heilmann (Fraunhofer Institute IWM Halle, GER), S. Henning, M. Neuber <i>Morphology Polymer Foils with embedded nanoparticles after Laser Radiation</i>
10.00-10.30	coffee break	

Session 5: chair A. Milella

10.30-11.20	IN3	INVITED LECTURE M. Elbhari (U. Kiel, GER) <i>Plasmonic metamaterials: A Nanocomposites based approach</i>
11.20-11.40	O14	M. Neuber (Fraunhofer Institute IWM Halle, GER), A. Heilmann <i>Nanoparticles as Absorber for Laser Radiation Welding of Polymer Foils</i>
11.40-12.00	O15	J. Hanus (JRC-ISPRA, ITA) Cesar Pascual Garcia, Maria Jesus Perez Roldan, Douglas Gilliland, Francois Rossi <i>Ag nanoparticles deposition for a device towards quantitative Surface Enhanced Raman Spectroscopy</i>
12.00-12.20	O16	V. Zaporozhchenko (U.Kiel, GER), C. Pakula, T. Strunskus, S. W. Basuki, D. Zargarani R. Herges and Franz Faupel <i>Functional photoswitchable polymer nanocomposites</i>
12.20-12.40	O17	A. Choukourov (U. Prague, CZK), D. Arzhakov, I. Gordeev, D. Slavinska and H. Biederman <i>Formation of nano-patterns during initial stages of plasma polymer growth</i>
12.40-14.30	lunch	

Session 6: chair F. Fracassi

14.30-15.20	IN4	INVITED LECTURE M. Lazzari (U. Santiago de Compostela, SPA) <i>Tuning the synthesis of metal nanoparticles by functional polymers</i>
15.20-15.40	O18	P. Spatenka (U. South Bohemia - U. Liberec, CZK), Z. Michalčík, M. Horáková, <i>Photoactivity of Nanocomposite and Nanostructured TiO_x thin films</i>
15.40-16:00	O19	M.A. Nitti (U. Bari, ITA), N. Ditaranto, N. Cioffi, A. Valentini <i>Ion beam deposition and spectroscopic characterization of metal-fluoropolymer nano-antimicrobial coatings for textile applications</i>
16.00-16.20	O20	Y. K. Vijay (U. Rajasthan, Jaipur, INDIA) <i>Hydrogen purification using CNT- polymer Composite Films</i>
16.20-16.40	O21	E. Hariprasad (U. Hyderabad, INDIA), T. P. Radhakrishnan <i>Palladium nanoparticles embedded polymer films: An efficient and reusable 'Dip catalyst' for Suzuki coupling reaction</i>
16.40-18.00	coffee break - POSTER SESSION	
20.30	Social Dinner	

Thursday, Sept 22nd, 2011

Session 7: chair M. Lazzari

9.00-9.20	O22	P. Wagener (U. Duisburg-Essen, GER), A. Hahn, A. Schwenke And S. Barcikowski Bioactive Ion Release of Multimaterial Nanoparticle Polymer Composites	
9.20-9.40	O23	T. Strunskus (U.Kiel, GER), V. Zaporojtchenko, N. Alissawi, T. Hrkac, I. Kocabas, V. S. K. Chakravadhanula, R. Podschun, C. Röhl, D. Garbe-Schönberg and F Faupel <i>Tuning the Silver Ion Release Properties of Antibacterial Nanocomposite Coatings</i>	
9.40-10.00	O24	L. Ravagnan (WISE s.r.l., Milano, ITA), G. Corbelli, C. Ghisleri, P. Milani <i>Biocompatible and highly-deformable nanocomposite-based elastomeric electrodes with improving conductivity upon cyclical stretching</i>	
10.00-10.20	O25	J. McKenna (U.Ulster, UK), D. Mariotti, P. Maguire <i>Characterisation of Silicon Carbide nanoparticles synthesized using an atmospheric pressure microplasma</i>	
10.20-10.50	coffee break		

Session 8: chair F. Palumbo

10.50-11.40	IN5	INVITED LECTURE M. L. Curri (IPCF-CNR, Bari, ITA) <i>Colloidal nanocrystals for nanocomposites: emergence of new functions in nanostructured materials</i>	
11.40-12.00	O26	B.R. Pistillo (U. Bari, ITA), L.G. Giannossa, A. Mangone, R. Förch, R. d'Agostino, P. Favia <i>Zn-containing nanocomposite coatings deposited by PE-MO-CVD</i>	
12.00-13.00	CLOSING REMARKS		
13.00 -15,00	Lunch and IOC meeting		

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poster session

P1	E. Sardella, V. Giampietro (U. Bari, ITA), D. Caruso, G. Da Ponte, R. Gristina, M. Nardulli, R. d'Agostino, P. Favia <i>Calcium Phosphate containing coatings on 2D supports and 3D scaffold to improve adhesion and proliferation of osteoblast cell lines</i>	
P2	A. Serov (U. Prague, CZK), M. Drabik, A. Artemenko, D. Arzhakov, A. Choukourov, D. Slavinska, H. Biederman Nano-particles of fluorocarbon plasma polymer prepared by a gas aggregation cluster source	
P3	M. Svec (U. Ústí nad Labem, CZK), S. Novak, A. Choukourov <i>Electrical properties of composite structures with columnar inclusions</i>	
P4	N. Depalo (IPCF-CNR, Bari, ITA), M. Tamborra, E. Fanizza, R. Comparelli, D. Di Gioia, A. Agostiano, M. Striccoli, M. L. Curri <i>Templated assembly of Au nanoparticles in a nanocomposite polymer film via breath figures</i>	
P5	P. Bober (Academy of Sciences, Prague, CZK), J. Stejskal, M. Trchová, J. Prokeš <i>Polyaniline-silver conducting composite</i>	
P6	L.C. Giannossa (U. Salento, Lecce, ITA), D. Longano, N. Ditaranto, M.A. Nitti, F. Paladini, M. Pollini, A. Sannino, A. Valentini, N. Cioffi <i>Nanoantimicrobials for textile applications in the Apulian district</i>	
P7	E. Dilonardo (CNR-IMIP, Bari, ITA), G. V. Bianco, M. M. Giangregorio, P. Capezzuto, M. Losurdo, G. Bruno <i>Surface Texturing of n- and p-Doped c-Si Using a Novel Plasma Chemical Texturing Process</i>	
P8	M. M. Giangregorio (CNR-IMIP, Bari, ITA), M. Losurdo, G. V. Bianco, A. Sacchetti, P. Capezzuto, G. Bruno <i>Metal Nanoparticles Plasmonic Energy Harvesting in a-Si/c-Si Heterojunctions</i>	
P9	G. Barucca (U. Marche, Ancona, ITA), R. Checchetto, A. Di Cristoforo, P. Mengucci ¹ , E. Santecchia <i>Metal-polymer composites for hydrogen storage applications</i>	
P10		
P11		