

SMS 2019 / EGF 2019 / NanoMed 2019 Joint Conferences Program

08:30 - 12:00	Registration	Registration Area
---------------	--------------	-------------------

October 23, 2019 SMS 2019 / EGF 2019 Plenary session I		
Conference Room Porto		
Session's Chairs: Prof. Paula Ferreira, Minho University, Portugal Prof. Riccardo Nobile, University of Salento, Italy Prof. Peng Feng, Tsinghua University- Beijing, China		
09:30 - 10:00	Smart Nano-Structured Coatings for Corrosion Protection, Anti-Fouling and Sensing M.G.S. Ferreira	Prof. Mário G.S. Ferreira, University of Aveiro, Portugal
10:00 - 10:30	New thermosets from ionic liquids S.Livi, S. Pruvost, J.F. Gérard and J.Duchet-Rumeau	Prof. Jannick Rumeau, University of Lyon, France
10:30 - 11:00 Coffee Break / Posters Session I Coffee Break Area		
11:00 - 11:30	Highlighting novel static and fluidic properties of liquids using solid wall interactions L. Noirez	Dr. Laurence Noirez, Léon Brillouin Lab, CEA/CNRS, France
11:30 - 11:45	Design and Realization of White Quantum Dot Light-Emitting Electrochemical Cell Hybrid Devies S. Gellner, J. Frohleiks, S. Wepfer, G. Bacher and E. Nannen	Ms. Sandra Gellner, University of Applied Science Niederrhein, Germany
11:45 - 12:00	Mesoporous Silica Nanoparticles based on Ionic Microbial Agents S. Gago, B. Mora, P. Rações, M.M.L. Ribeiro Carrott and L. C. Branco	Dr. Sandra Gago, Faculty of Sciences and Technology of NOVA University, Portugal
12:00 - 12:15	Inherently Chiral Ionic Liquids with Axial, Helical and Central Stereogenicity for Highly Efficient Enantioselective Sensors S. Rizzo, P.R. Mussini, S. Arnaboldi, M. Longhi, F. Fontana, R. Cirilli and A. Forni	Dr. Simona Rizzo, CNR-Institute of Molecular Science and Technologies, Italy
12:00 - 14:00 Lunch Break Restaurant		

October 23, 2019 SMS 2019 / NanoMed 2019 joint session I Advances in Functional and Multifunctional Materials / Composite Materials / Nanosystems		
Conference Room Porto		
Session's Chairs: Prof. Etelvina Gomes, University of Minho, Portugal Prof. Jannick Rumeau, University of Lyon, France Dr. Laurence Noirez, Léon Brillouin Lab- CEA/ CNRS, France Dr. Christos Riziotis, National Hellenic Research Foundation, Greece		
14:00 - 14:30	High Performance Fiber-Reinforced Polymer for Integration of Structure and Functions P. Feng and Z. Li	Prof. Peng Feng, Tsinghua University- Beijing, China
14:30 - 14:45	Tungsten Carbide Microparticles Introduction's Effect on Steel Hardness and Resistance to local Impacts A. Anikeev, I. Chumanov and V. Sedukhin	Mr. Ilia Chumanov, South Ural State University, Russia

14:45 - 15:00	Biopolymers for the Development of Stimuli Responsive Composites A.C. Pinho and A.P. Piedade	Dr. Ana Catarina Pinho , University of Coimbra, Portugal
15:00 - 15:15	Modulation of Protein Sorption at Magnetic-Responsive Hydrogels A. C. Manjua, V. D. Alves, J.G. Crespo and C.A.M. Portugal	Dr. Carla Portugal , FCT / NOVA University, Portugal
15:15 - 15:30	Metallization of thermoset composites through it surface functionalization H. Perrin , S. Klein and R. Vaudemont	Dr. Henri Perrin , Luxembourg Institute of Science and Technology
15:30 - 15:45	Dithia[3.3]paracyclophane Core: a Versatile Platform for Fine Triplet State Tuning and Through Space TADF Emission. M. Auffray, D.H. Kim, J.U. Kim, F. Bencheikh, D. Kreher , Q. Zhang, A. D'Aléo, J-C. Ribierre, F. Mathevet and C. Adachi	Dr. David Kreher , Sorbonne University, France
15:45 - 16:00	A Nontoxic Reversible Thermochromic Binary System via π - π Stacking of Sulfonephthaleins B. Liu , H. Ranji-Burachaloo, P.A. Gurr, E. Goudeli and G.G. Qiao	Mr. Bingxin Liu , The University of Melbourne, Australia
16:00 - 16:30	Coffee Break / Posters Session I	Coffee Break Area
16:30 - 16:45	Single Particle Microscopy & Spectroscopy of Morphology and Size Controlled Perovskite Crystals: PEROVSKOPY E. Debroye , H. Bhatia, M. Keshavarz, C. Martin-Alvarez, J. Steele, H. Yuan, M. Roeffaers and J. Hofkens	Dr. Elke Debroye , KU Leuven, Belgium
16:45 - 17:00	Influence of the Nanotopography of Wrinkles on a-C:H coated Polymers on the Differentiation of non-embryonic Stem Cells J.M. Lackner and R. Major	Dr. Juergen M. Lackner , Joanneum Research Forschungsgesellschaft mbH, Austria
17:00 - 17:15	3-nitroaniline crystals embedded in electrospun nanofibers as strong piezoelectric and nanoemitters of second harmonic light R. Baptista, C. Bernardo, E. Matos Gomes , P.Lopes and M.S. Belsley	Prof. Etelvina Gomes , University of Minho, Portugal
17:15 - 17:30	Optimization of electrochemical flow capacitor (EFC) design via Finite element modeling F. Summer , J.Torop, V.Zadin and A. Aabloo	Ms. Faiza Summer , University of Tartu, Estonia
17:30 - 17:45	Strong Piezoelectric Response from Electrospun Fibers of Hybrid Polymer Embedded Dipeptide Boc-Diphenylalanine Nanotubes R. Baptista , E. de Matos Gomes, M.M.M. Raposo, S. P.G. Costa, P. Lopes, B. Almeida and M. S. Belsley	Dr. Rosa Baptista , University of Minho, Portugal
17:45 - 18:00	Analysis of various Aspects in Metals Creation with Given Microheterogeneity Degree A. Anikeev and I. Chumanov	Mr. Andrei Anikeev , South Ural State University, Russia
18:00 - 18:15	Adapting the properties of 3d-printed tailored lightweight mechanical metamaterials E. Truszkiewicz , M.Berer, G. Meier, M. Vetter, M. Rossegger, S. Schlögl, P.Fuchs and G.Pinter	Ms. Eliza Truszkiewicz , Polymer Competence Center Leoben, Austria
18:15 - 18:30	Concept and economic evaluation of an automotive composite part with integrated wireless sensor system M. Hardt , P. Middendorf, and R. Bjekovic	Mr. Maximilian Hardt , Daimler AG, Germany

October 23, 2019
SMS 2019- Session Optically Engineered Surfaces
Manufacturing of 3D nanostructured optics (H2020 project PHENOMENON)

Conference Room Obidos A

Session's Chairs:
Mr. Pablo M. Romero, AIMEN Technology Centre, Spain

09:00 - 09:10	Introduction of the session: Optically Engineered Surfaces - Manufacturing of 3D nanostructured optics (H2020 project PHENOMENON) P. Romero	Mr. Pablo M. Romero, AIMEN Technology Centre, Spain
09:10 - 09:45	Multiphoton Lithography-Materials and applications M. Farsari	Dr. Maria Farsari, IESL-FORTH, Greece
09:45 - 10:10	Massively parallel multiphoton photoplotting: rationale, techniques and implementation obstacles K. Heggarty	Prof. Kevin Heggarty, IMT Atlantique, France
10:10 - 10:30	3D microfabrication by two-photon induced polymerization of subwavelength diffractive elements with high aspect ratio for surface optics P. Baldeck	Dr. Patrice Baldeck, ENS, Lyon, France
10:30 - 11:00	Coffee Break / Posters Session I	Coffee Break Area
11:00 - 11:40	Emerging metasurface technologies and the role of simulations in their development L. Pennik	Dr. Lieven Pennik, PlanOpSim, Belgium
11:40 - 12:00	Tiny fiber Sensors by laser processing J.M. López-Higuera	Prof. José Miguel López-Higuera, University of Cantabria, Spain
12:00 - 12:20	Optical grade microstructure fabrication through injection molding techniques F. Gontad	Dr. Francisco Gontad, AIMEN Technology Centre, Spain
12:20 - 12:40	Novel methods to prepare photoelectrodes for solar fuels S. Eslava	Dr. Salvador Eslava, University of Bath, UK
12:00 - 14:00	Lunch Break	Restaurant

October 23, 2019
EGF 2019 - Session I
Graphene Synthesis, Growth, Functionalization and Characterization

Conference Room Obidos A

Session's Chairs:
Prof. Pedro Alpium, International Iberian Nanotechnology Laboratory, Portugal
Prof. Paula Pereira Marques, University of Aveiro, Portugal
Prof. Eva Rauls, University of Stavanger, Norway

14:30 - 15:00	NanoSonic - Graphenest NanoSonication Technology Clean graphene nanoparticles production for application across electronics, aerospace and textile industries A. Bernardes, R. Silva, B. Figueiredo , J. França and V. Abrantes	Mr. Bruno Reis Figueiredo, Graphenest – Advanced Nanotechnology, Portugal
15:00 - 15:15	Bias-controlled doping of graphene with thin ice: a theoretical DFT study E. Rauls , U. Gerstmann, A. Jaadouni and W.G. Schmidt	Prof. Eva Rauls, University of Stavanger, Norway
15:15 - 15:30	Soliton fractional charges in graphene nanoribbon and polyacetylene: similarities and differences S.-R. Eric Yang	Prof. S.-R. Eric Yang, Korea University, Rep. of Korea

15:30 - 15:45	Simulation and Growth of Graphene for Silicon Microelectronic Applications G. Lippert , J. Dabrowski, A. Becker, M. Lisker, Ch. Wenger, A.Mai and M. Lukosius	Dr. Gunther Lippert , IHP – Leibniz-Institut für innovative Mikroelektronik, Germany
15:45 - 16:00	Graphene Oxide as the Catalyst of Ethane Dehydrogenation A.A. Abakumov , I.B. Bychko and P.E. Strizhak	Mr. Alexander Abakumov , L.V. Pisarzhevsky Institute of Physical Chemistry, Ukraine
16:00 - 16:30	Coffee Break / Posters Session I	Coffee Break Area
16:30 - 16:45	Catalytic activity of carbon nanomaterials in the ethylene and acetylene hydrogenation I. Bychko and P. Strizhak	Dr Igor Bychko , L. V. Pisarzhevsky Institute of Physical Chemistry, Ukraine
16:45 - 17:00	Improving Mechanical Properties of Carbon Fiber Reinforced Epoxy Polymer Composite with Carbon Nanotubes K. Yüceer and D. Çöker	Ms. Kevser Yüceer , Middle East Technical University, Turkey
17:00 - 17:15	Analytical approach for nonlinear optical selection rules of excitons in monolayer transition metal dichalcogenides A. Taghizadeh and T. G. Pedersen	Dr. Alireza Taghizadeh , Aalborg University, Denmark
17:15 - 17:30	Exploration of Graphene for the Improvement of Plasma Facing Components in Fusion Plasmas M. Navarro , M. Zamiri, K. Hall, R. Doerner, O. Schmitz, M. Lagally, J. Santarius and G. Kulcinski	Dr. Marcos Navarro , University of Wisconsin-Madison, USA
17:30 - 17:45	Graphene properties from curved space Dirac equation A. Gallerati and F. Laviano	Dr. Antonio Gallerati , Politecnico di Torino, Italy
17:45 - 18:00	Identification of Active Electrocatalytic Sites Using Electrochemical Scanning Tunneling Microscopy R.M. Kluge , R.W. Haid and A.S. Bandarenka	Ms. Regina Kluge , Technical University of Munich, Germany
18:00 - 18:15	Monitoring Folds and Strain Localization in 2D Transition Metal Chalcogenides (TMDCs) using Second Harmonic Generation A. R. Khan and Y. Lu	Mr. Ahmed Raza Khan , Australian Nat. University, Canberra Australia
18:15 - 18:30	Novel Economic Simple Strategy for Mass Synthesis of Nitrogen-doped Graphene: Controllable Growth Mechanism and Structure M. A. A. Mohamed , F. Carrasco-Marín, N. A. Elessawy and H. A. F. Hamad	Dr. Marwa Mohamed , City of Scientific Research and Technological Applications, Egypt
18:30 - 18:45	Homogeneous Anti Corrosion Coating of Spontaneously Dissolved Defect Free Graphene M. Bin Subhan , P. Cullen and C. Howard	Dr. Mohammed Bin Subhan , University College London, UK

October 23, 2019		
SMS 2019 - Session I		
Smart coatings and surfaces		
Conference Room Obidos B		
Session's Chairs:		
Prof. Mario G.S. Ferreira, University of Aveiro, Portugal		
Prof. Jean-Manuel Raimundo, Aix Marseille University, France		
Prof. Monika Walesa-Chorab, Adam Mickiewicz University-Poznan, Poland		
14:00 – 14:15	Supported lipid monolayers as sensing and selective layers for ISFET sensors V. Kilinc, T. Nguy, A. Kenaan, S. Lamant, C. Henry-de-Villeneuve, G. Monier, M. Petit, Y. Wakayama, J. M. Raimundo and A. Charrier	Prof. Jean-Manuel Raimundo , Aix Marseille University, France
14:15 – 14:30	Polyvinyl alcohol / barium titanate composite films: filler content, particle size and surface modification effects on dielectric-electrical properties K. Gille , C. Lapeyronie, S. Scheffler, M. Rajaoarivelo, W. Neri, A. Bentaleb, I. Ly, A. Derré, J. Yu-an, P. Poulin and C. Jaillet*	Dr. Christèle Jaillet , CRPP-CNRS- University of Bordeaux, France

14:30 – 14:45	Smart corrosion inhibition and structural effect of lithium in PMMA-silica coatings A. Trentin , K. Marcoen, S. V. Harb, M. C. Uvida, C. V. Santilli, H. Terryn, T. Hauffman and P. Hammer	Ms. Andressa Trentin , São Paulo State University, Brazil
14 :45-15 :00	High-rate deposition of high-quality oxide layers using reactive high-power impulse magnetron sputtering J. Rezek , J. Houška and J. Vlček	Dr. Jiri Rezek , University of West Bohemia, Czech Republic
15:00 – 15:15	Multifunctional Smart Materials for the Corrosion Inhibition of Metal Artefacts C. Giuliani , G. Di Carlo, C. Riccucci, M. Pascucci, E. Messina and G. M. Ingo.	Dr. Chiara Giuliani , Institute of nanostructured materials/ CNR-Rome, Italy
15:15 – 15:30	Electrochromic thin films – methods of preparation and properties M. Wałęsa-Chorab	Prof. Monika Walesa-Chorab , Adam Mickiewicz University-Poznan, Poland
15:30 – 15:45	Robust and versatile grafted bacteriostatic polymer surfaces based on ionenes S. Bernardi , M.N. Bellon-Fontaine and G. Carrot	Ms. Sarah Bernardin , CEA/ Paris-Saclay University, France
15:45- 16:00	Innovative polymer coatings for packaging V. Beghetto , V. Gatto, S. Conca, N. Bardella and R. Samiolo	Dr. Valentina Beghetto , University Ca' Foscari of Venice, Italy
16:00 – 16:30	Coffee Break / Posters Session I	Coffee Break Area
16:30-16:45	Development of repellent surfaces A. Antelava , A. Wojdyła-Cieślak, G. Durand, A. Constantinou and A. Taylor	Ms. Ana Antelava , London South Bank University, United Kingdom
16:45-17:00	Photochemically Initiated Conversion of Coordination Compounds – A Low Temperature Route to Metal Oxide Thin Films P. With , J. Lehnert, L. Seifert, S. Dietrich, H. Krautscheid, S. Naumov, A. Prager, G. Mirschel, L. Prager and U. Helmstedt	Dr. Patrick With , Leibniz Institute of Surface Engineering (IOM), Germany

October 24, 2019 SMS 2019/ EGF 2019 Joint Plenary Session		
Conference Room Porto		
Session's Chairs: Prof. Michael Sinapius, Technische Universität Braunschweig, Germany Dr. Christos Riziotis, National Hellenic Research Foundation, Greece Prof. José Miguel López-Higuera, University of Cantabria, Spain		
09:00 - 09:30	Applications in Nanotechnology of Focused Electron and Ion Beam Induced Deposition J. M. De Teresa	Prof. Jose María De Teresa Nogueras , University of Zaragoza, Spain .
09:30 - 10:00	Multifunctional Adaptive Sandwich Structures: Modeling and Optimization A.L. Araújo	Prof. Aurelio Araujo , University of Lisbon, Portugal
10:00 - 10:30	Adsorption of sodium diclofenac in aqueous medium using graphene oxide nanosheets A.C.S. Guerra, M.B. de Andrade , T.R.Tonial dos Santos, N.C. Homem, M.F. Vieira, A.M.S.Vieira, R. G. Gomes, F.de Jesus Bassetti, M.T.S. Pessoa Amorim and R. Bergamasco	Prof. Maria Teresa Amorim , Minho University, Portugal
10:30 - 11:00	Coffee Break / Posters Session II	Coffee Break Area
11:00 - 11:30	Novel Power Generator using Dielectric Elastomers S. Chiba , M. Waki and K. Fujita	Prof. Seiki Chiba , Chiba Science Institute, Japan
11:30 - 12:00	Active Composite Materials for 4D-printed Structures M. Sinapius and R. Mitkus	Prof. Michael Sinapius , Technische Universität Braunschweig, Germany
12:00 - 12:30	Free-standing nanostructures at Atomic Scale: from growth mechanisms to properties S. Martí-Sánchez, M. Botifoll, C. Koch and J. Arbiol	Prof. Jordi Arbiol , ICREA and ICN2, CSIC and BIST, Catalonia, Spain
12:00 - 14:00	Lunch Break	Restaurant

October 24, 2019 SMS 2019 / EGF 2019- Joint Session II Novel Materials / Graphene for Energy and Environment applications		
Conference Room Porto		
Session's Chairs: Prof. Seiki Chiba, Chiba Science Institute, Japan Prof. Michael Sinapius, Technische Universität Braunschweig, Germany Dr. Adela I. Carrillo Gomez, ERC Executive Agency- Brussels, Belgium		
14:00 - 14:30	Engineering photoanodes for photoelectrochemical solar water splitting S.Eslava	Dr. Salvador Eslava , University of Bath, UK
14:30 - 15:00	European Research Council session A. I. Carrillo Gomez	Dr. Adela I. Carrillo Gomez , ERC Executive Agency, Brussels, Belgium
15:00 - 15:30	A dream that became reality with the help of ERC! E. Fortunato	Prof. Elvira Fortunato , New Univ. of Lisbon, Portugal
15:30 - 16:00	The need of sustainable materials for flexible electronics E. Fortunato	Prof. Elvira Fortunato , New Univ. of Lisbon, Portugal
16:00 - 16:30	Coffee Break / Posters Session II	Coffee Break Area
16:30 - 16:45	Better in Vacuum - how vacuum can improve investigation of 2D materials using conductive Atomic Force Microscopy (AFM) R.Bourrelrier , J;Ludwig, M.Mascaro, U.Celano, I.M. Hermes, A W. Vandervorst and K.Paredis	Dr. Romain Bourrelrier , Park Systems France SARL, Orsay, France

16:45 - 17:00	Buckled MoS2 nanoribbons for bistable vibration energy harvesters G. Abadal , R. López and X. Cartoixà	Dr. Gabriel Abadal , Autonomous University of Barcelona, Spain
17:00 - 17:15	Electric charges recovering from aqueous media using conductor oxides V. Ledoux and A. Evstratov	Dr. Valentin Ledoux , Institut Mines-Telecom Mines Alès, France
17:15 - 17:30	Bio-inspired microshapes converted to functional materials for catalysis and photovoltaics H.C. Hendrikse , L. Helmbrecht, A. van der Weijden, M. Ronda Llorett and W.L. Noorduin	Mr. Hans Hendrikse , AMOLF, The Netherlands
17:30 - 17:45	Size-dependent Electronic Properties of Strongly Confined Graphene Quantum Dots and their Application in Electrochromic and Photovoltaic Devices Z. Ji, E. Dervishi, S. K. Doorn and M. Sykora	Dr. Milan Sykora , Comenius University, Slovakia
17:45 - 18:00	Printed electrolyte-gated field-effect transistors from graphene oxide formulations electrochemical tuning of charge transport S. Vasilijević, N. Battaglini , G. Mattana, G. Anquetin and B. Piro	Dr. Nicolas Battaglini , ITODYS, University Paris Diderot, France
18:00 - 18:15	Soft Transducers having Stretchable & Flexible CNT Eelectrodes M. Takeshita , S. Chiba, M. Waki, M. Uejima and K. Arakawa	Mr. Makoto Takeshita , Zeon Corporation-Tokyo, Japan
18:15 - 18:30	Graphene flake with an adatom illuminated by an optical pulse M. Kosik , M. Pelc, M. Müller, C. Rockstuhl, K. Słowik and A. Ayuela	Ms. Miriam Kosik , Nicolaus Copernicus University, Poland
18:30 - 18:45	Graphene Radio-Frequency Transistors with Self-Aligned Channel and Core-Shell Nanowire Gate V. Silva , L. Baptista, J. Borme, C.-D. Liao, P. Mendes and P. Alpuim	Mr. Vitor Silva , University of Minho, Portugal

October 24, 2019

SMS 2019 Session II

Smart sensors, smart Textiles, wearables & Internet of things

Conference Room Obidos A

Session's Chairs:

Prof. Aurelio Araujo, University of Lisbon, Portugal

Prof. Kaspar Jansen, Delft University of Technology, The Netherlands

Prof. Maria Teresa Amorim, Minho University, Portugal

Prof. Stefan Luby, Slovak Academy of Sciences, Slovakia

14:00 - 14:30	Smart Sensors using Light technologies: a comprehensive vision J.M. López-Higuera	Prof. José Miguel López-Higuera , University of Cantabria, Spain
14:30 - 15:00	Engineering Photonic Structures and Functional Materials Towards Smart Physical and Chemical Sensors C. Riziotis	Dr. Christos Riziotis , National Hellenic Research Foundation, Greece
15:00 - 15:15	Printed Electrodes for Hot Electron Electrochemistry Applications S. Kulmala , P. Grönroos, K. Salminen and N. E-Habiba	Prof. Sakari Kulmala , Aalto University, Finland
15:15 - 15:30	Combinatorial Gas Phase Electrodeposition for Fabricating Multimodal Three Dimensional Nano-Bridge Gas Sensors N. A. Isaac , L. Schlag, J. Reiprich, S. Katzer, H. Nahrstedt, J. Pezoldt, T. Stauden and H. O. Jacobs	Mr. Nishchay Angel Isaac , Technische Universität Ilmenau, Germany
15:30 - 15:45	Challenges and Opportunities in Reproducible Electrochemical Ink Formulation and Processing for Multiplexed Designs N. Broughton , D Barwick, R. Kadara and B. Bender, ³	Ms. Nicola Broughton , Centre for Process Innovation- Wilton, UK
15:45 - 16:00	Incorporating Functionalized Polydiacetylene in Alginate Beads For Bacterial Detection A. Al Choueiry , M. Bassil, E. El Kaady, G. Moarbess and M. El Tahchi	Dr. Antoine Al Choueiry , Lebanese University, Lebanon

16:00 - 16:30	Coffee Break / Posters Session II	Coffee Break Area
16:30 - 16:45	Smart sensors based on structural embossing and supramolecular controlled order loss Y. Foelen , D.A.C. Van Der Heijden and A.P.H.J. Schenning	Mr. Yari Foelen , Eindhoven University of Technology, The Netherlands
16:45 - 17:15	The next generation of Smart Textiles K.M.B. Jansen	Prof. Kaspar Jansen , Delft University of Technology, The Netherlands
17:15 - 17:30	Development of Flexible Textile Aluminium-Air Battery Prototype A. Vališevskis, U. Briedis, M. Carvalho and F.Ferreira	Prof. Miguel Carvalho , University of Minho, Portugal
17:30 - 17:45	Connecting the world to garments – capturing, filtering, defining, translating, mapping and actuating in, on and off the textile E. Lindell , L. Guo, R. Holt, Z. Ling, E Kontopoulos and N-K. Persson	Ms. Eva Lindell , University of Borås, Sweden
17:45 - 18:00	Towards responding fabrics – textile processing of thin threadlike pneumatic actuators C. Backe, L. Guo, E.W.H. Jager and N-K. Persson	Ms. Carin Backe , University of Borås, Sweden
18:00 - 18:15	Towards the development of smart textile wound dressings using temperature an pH responsive hydrogel D. Štular , I. Jerman, B. Simončič and B. Tomšič	Dr. Danaja Štular , University of Ljubljana, Slovenia
18:15 - 18:30	Untethered stimuli-responsive liquid crystal polymer actuators M. Pilz da Cunha , M. G. Debije and A.P.H.J. Schenning	Ms. Marina Pilz da Cunha , Eindhoven Uni. of Tech., The Netherlands
18:30 - 18:45	Towards measuring flexoelectric coefficient of single carbon nanotubes R. El Beainou , J.-Y. Rauch, S. Dembélé, O. Lehmann, L. Hirsinger and M. Devel	Dr. Raya El Beainou , FEMTO-ST Institute-Besançon, France

October 24, 2019		
NanoMed 2019 / EGF 2019 Joint Plenary session		
Bioinspired materials/ Nanotechnology in Therapy / Pharmaceutical Nanotechnology		
Conference Room Obidos B		
Session's Chairs:		
Prof. Nuno Santos, IMM- Lisbon, Portugal		
Dr. Silvia Panseri, ISTECCNR, Italy		
Prof. Susana G. Santos, i3S - INEB, University of Porto, Portugal		
09:00 - 09:30	Graphene surfaces for detection of biomolecules P. Alpuim	Prof. Pedro Alpuim , Intl. Iberian Nanotechnology Lab., Portugal
09:30 - 10:00	Graphene-based sheets for biomedical applications: case studies. Paula A. A. P. Marques	Prof. Paula Pereira Marques , University of Aveiro, Portugal
10:00 - 10:30	Challenges on Graphene-Based Nanomaterials in Nanomedicine D. Iannazzo	Prof. Daniela Iannazzo , University of Messina, Italy
10:30 - 11:00	Coffee Break / Posters Session II	Coffee Break Area
11:00 - 11:30	Measuring forces at the nanoscale for cardiovascular risk evaluation N. Santos	Prof. Nuno Santos , IMM-Lisbon, Portugal
11:30 - 11:45	Proton stimulation therapy for iron-oxide mineral forming Alzheimer's disease J.K. Kim , Y. Choi and J.-G. Jeon	Prof. Jong-Ki Kim , Catholic University of Daegu, Rep. of Korea
11:45 - 12:00	Radiolabelled Gold Nanoparticles for Image-guided Chemoradiotherapy of Glioblastoma Multiforme A. Paulo , A. Belchior, A. D'Onofrio, C. Mendes, C. Oliveira, F. Marques, F. Silva, M. P. C. Campello, Lurdes Gano, M. Ravera and P. Raposinho	Dr. Antonio Paulo , Technical Superior Institute-Lisbon, Portugal

12:00 - 14:00	Lunch Break	Restaurant
October 24, 2019, 13:45 - 13:55 Conference Group Photo At the conference venue All conference participants are requested to be present for the Conference Group Photo		

October 24, 2019 NanoMed 2019 - Session II: Nanotechnology in Therapy / Pharmaceutical Nanotechnology		
Conference Room Obidos B		
Session's Chairs: Prof. Pedro Alpuim, International Iberian Nanotechnology Laboratory, Portugal Prof. Paula Pereira Marques, University of Aveiro, Portugal Prof. Daniela Iannazzo, University of Messina, Italy		
14:00 - 14:30	NanoMedicine, Science & Regulation: the translation issues for the next generation of technologies R. Gaspar	Prof. Rogerio Gaspar, University of Lisbon, Portugal
14:30 - 15:00	Ceramic biomaterials instruct cell behavior in regenerative medicine S. Panseri	Dr. Silvia Panseri, ISTECCNR, Italy
15:00- 15:30	Nanomaterials for and from immune cells: nanoparticles and extracellular vesicles S. G. Santos	Prof. Susana G. Santos, i3S - INEB, University of Porto, Portugal
15:30 - 15:45	Gellan Gum-based In-situ Gelling Systems containing Self-Assembling Mixed Nanomicelles: A Novel combined system for the Ocular Delivery of Cyclosporine-A E. Terreni, E. Zucchetti, D. Monti, S. Burgalassi, S. Tampucci and P. Chetoni	Dr. Eleonora Terreni, University of Pisa, Italy
15:45 - 16:00	Development of bio-based hybrid microparticles as poorly water-soluble drug delivery systems K. Doufène, V. Lapinte, J-J. Robin, J. Chopineau, J-M. Devoisselle, C. Tourné-Péteilh and A. Aubert-Pouëssel	Mr. Koceïla Doufène, ICGM, Univ Montpellier, France
16:00 - 16:30	Coffee Break / Posters Session II	Coffee Break Area
16:30 - 16:45	Carbon nanotubes as a scaffold for hESC differentiation toward photoreceptor precursor cells Y.Chemla , E.Shawat , A. Markus, Y. Kostikov, F. Nairouz, S. Aviad.slotky, D.Nessim and Y.Mandel	Mr. Yoav Chemla, Bar ilan University, Israel
16:45 - 17:00	Synthesis and preliminary biological evaluations of PSMA-targeted NIR upconverting nanoparticles for optical/scintigraphic imaging of prostate cancer A. Cordonnier, D. Boyer, S. Besse, A. Briat, F. Degoul, R. Mahiou, A. Maisonial-Besset, B. Maunit, L. Mazuel, M. Quintana, M. Vivier, E. Miot-Noirault and J-M. Chezal	Mr. Axel Cordonnier, Clermont Auvergne University, France
17:00- 17:15	A rational approach towards breast cancer treatment E. Costa, C.O. Silva, M. Cardoso, P. Faisca, C. Pinto Reis, A.S. Cabrita and I.V. Figueiredo	Dr. Eduardo Costa, University of Coimbra, Portugal
17:15 - 17:30	Magnetic microparticles for magneto-mechanical treatment of glioblastoma cells C. Thébault, C. Naud, E. Billiet, H. Joisten, M. Carrière, B. Dieny, Y. Hou and, R. Morel	Dr. Caroline Thebault, Univ. Grenoble Alpes, France

17:30 - 17:45	Active Pulmonary Targeting against Tuberculosis (TB) via Triple-Encapsulation of Q203, Bedaquiline and SPIOs in Nanoparticle Aggregates W. Poh , N.A.B Rahman, Y. Ostrovski, J. Sznitman, K. Pethe and S.C.Joachim Loo	Mr. Wilson Poh , Nanyang Technological University, Singapore
17:45 - 18:00	Novel Strategies Towards Surface Modification of Polymeric Biomedical Devices Based on Nylon 6 and Polycaprolactone S. Swar, V. Májová , B. Holubová, P. Šubrtová and J. Horáková	Dr. Veronika Májová , Technical University of Liberec, Czech Republic
18:00 - 18:15	Characterization and Modeling of Local Electronic Properties of Native Bone Tissue in Intact and Damaged Areas A.A. Pavlychev , X.O. Brykalova and D.O. Samoilenko	Prof. Andrey Pavlychev , St.Petesburg State University, Russia

October 24, 2019, 19:30 - 22:00

Conference Diner

At the conference venue

All conference participants are welcome to attend (subject to confirmation)

October 25, 2019 SMS 2019 - Session III: Novel Materials Biomaterials Properties and Applications		
Conference Room Obidos A		
Session's Chairs: Prof. Andrey Pavlychev, St.Petesburg State University, Russia Prof. Galina Mihaleva, Nanyang Technological University, Singapore Dr. Christos Riziotis, National Hellenic Research Foundation, Greece		
09:00 - 09:30	Challenges and opportunities for x-ray spectro-microscopies in magnetism and spintronics P. Fischer	Dr. Peter Fischer, Lawrence Berkeley National Laboratory, USA
09:30 - 10:00	From the Atomic Structure to the Optoelectronic Properties Studies of Carbon and Related Nanostructures via TEM R. Arenal	Dr. Raul Arenal, Zaragoza University, Spain
10:00 - 10:30	Coffee Break	Coffee Break Area
10:30 - 11:00	Supramolecular dehydropeptide hydrogels: synthesis, properties and biomedical applications P.M. Ferreira, J. A. Martins and E.M.Castanheira	Prof. Paula Ferreira, Minho University, Portugal
11:00 - 11:30	Explorations and Applications of Wearables and Bio inspired Materials as an Extension of our Skin G. Mihaleva	Prof. Galina Mihaleva, Nanyang Technological University, Singapore
11:30 - 11:45	Mussel-inspired injectable hydrogel glue for Tissue Repair K.Weï, B. Senturk, M.T. Matter, X. Wu, I.K. Herrmann, M. Rottmar and C.Toncelli	Dr. Kongchang Wei, Empa, Swiss Federal Laboratories for Materials Science and Technology, Switzerland
11:45 - 12:00	Ca 2p Photoelectron Spectroscopy of Surfaces of Cortex and Subchondral Femoral Bone in Intact and Damaged Areas X.O. Brykalova, N.N. Kornilov and A.A. Pavlychev	Prof. Andrey Pavlychev, St.Petesburg State University, Russia
12:00 - 12:15	A new design of a petal valve designed for pulsatile heart assist pumps application, presents and future development R. Major, M. Gawlikowski, A. Mzyk, S. Kakinoki and J. M. Lackner	Prof. Roman Major, Institute of Metallurgy and Materials Science Polish Academy of Sciences, Poland
12:15 - 12:30	Advanced micromanufacturing strategies for the production of biomimetic and bioresorbable vascular stents and peripheral nerve implants I.Quintana, R.Ortiz, X.Mendibil, R.Diez and S.Merino	Dr. Iban Quintana, IK4-TEKNIKER, Spain

October 25, 2019 EGF 2019 / NanoMed 2019 Joint Session III		
Conference Room Obidos B		
Session's Chairs: Prof. Nuno Santos, IMM- Lisbon, Portugal Prof. Daniela Iannazzo, University of Messina, Italy		
09:00 - 09:15	Graphene and graphene/drug conjugates for cancer phototherapy D. Bogas, R. Costa-Almeida, C. Couto, J.R. Fernandes, M.C.L. Martins, I.C. Gonçalves, F.D. Magalhães and A.M. Pinto	Dr. Artur M. Pinto, University of Porto, Portugal
09:15 - 09:30	Graphene Quantum Dots for Multiphoton Imaging: Myths and Facts E. Mações, C. Santos, C. Correia, I. Mariz, S. Pinto, and J. G. Martinho	Dr. Ermelinda Macoas, Instituto Superior Técnico, Portugal
09:30 - 09:45	Graphene coated CMOS ISFETs for pH sensing C. Panteli, P. Georgiou and K. Fobelets	Mr. Christoforos Panteli, Imperial College London, UK

09:45 - 10:00	Antibacterial activity of polyethersulfone membranes modified with graphene oxide nanosheets N.C. Homem , T.D. Tavares, R. Bergamasco and M.T.P. Amorim	Mrs. Natália Homem , University of Minho, Portugal
10:00 - 10:30	Coffee Break	Coffee Break Area
10:30 - 10:45	Influencing Radiosensitizing Properties in Cancer Cells M. Vetrik , L. Kobera, R. Konefal, V. Lobaz, M. Hruby and G. Pratz	Dr. Miroslav Vetrik , Institute of Macromolecular Chemistry CAS, Czech Republic
10:45 - 11:00	pH-responsive ultrasound contrast agents for bio-sensing applications J.A. Walker , K.Kemp and S.R. Corrie	Ms. Julia A. Walker , Monash University, Australia
11:00 - 11:15	Bactericidal Titania Textiles for Hospital use J.C. Matos , C. Oliveira and M.C. Gonçalves	Ms. Joana Matos , Lisbon University, Portugal
11:15 - 11:30	Prospects and Challenges of Multi-Omics Data Integration in Nanotoxicology S. Canzler and J. Hackermüller	Dr. Jörg Hackermüller , Helmholtz Centre for Environmental Research-UFZ, Germany
11:30 - 11:45	Graphene Oxide Film and Graphene Nanoparticles with Silver Nano-particles as the Potential Bacteriostatic Ingredient of Food Packaging K. Mitura , J. Kornacka, J. Kalisz, E.Kopczyńska, E. Czerwińska, L.Volesky and T.Bakalova	Dr. Katarzyna Mitura , Koszalin University of Technology, Poland
11:45 - 12:00	Challenges on graphene oxide film in the food package system K. Mitura, E. Kopczyńska, J. Kornacka, J. Kalisz, E. Czerwińska and E. Ziółkowska	Ms. Elzbieta Kopczynska , Koszalin University of Technology, Poland

October 23, 2019

SMS 2019 / EGF 2019 / NanoMed 2019 – Joint Posters Session I
Synthesis / Characterization / Properties

Posters Room Cascais

N.	Title	Author, Affiliation, Country
1.	Numerical and experimental validation of SMART thermography for the control of GFRP composite laminate M. De Giorgi, R. Nobile, and A. Saponaro	Prof. Riccardo Nobile , University of Salento, Italy
2.	Magnetic and Electrical Properties of postannealed Co ₂ MnSi Heusler alloy films G. Grigaliūnaitė-Vonsevičienė , B. Vengalis, A. Maneikis and R. Juškėnas	Dr. Grazina Grigaliūnaitė-Vonsevičienė , Vilnius Gediminas Technical University, Lithuania
3.	Microstructure and mechanical properties of Fe-based amorphous alloy produced using the direct metal deposition method W. Pilarczyk	Prof. Wirginia Pilarczyk , Silesian University of Technology, Poland
4.	Modification and characterization of VACNTs for application as water harvesting surfaces from dew and fog R.A. Pinheiro, V.J. Trava-Airoldi and E.J. Corat	Dr. Evaldo Corat , National Institute for Space Research- São José dos Campos, Brazil
5.	In-pack Ohmic Heating of Packaged Food Using Carbon Black Loaded Polyethylene Films M. Gratz and H. Jaeger	Mr. Maximilian Gratz , University of Natural Resources and Life Sciences (BOKU), Austria
6.	Structural, magnetic and electrochemical properties of AlCoCrFeNiSi high entropy alloys R. Babilas , A. Radoń and W. Łoński	Dr. Rafal Babilas , Silesian University of Technology, Poland
7.	Tunable and functionalizable polydopamine thin films by means of electropolymerization. T. Marchesi D'Alvise , S. Harvey, K. Wunderlich and T. Weil	Mr. Tommaso Marchesi , Max Planck Institute for Polymer Research, Germany
8.	The Effect of Plasma Electrolytic Polishing on the Surface Properties of Steel after Nitrocarburising S. Kusmanov , S. Silkin and I. Tambovskiy	Prof. Sergei Kusmanov , Kostroma State University, Russia
9.	Microstructure and Corrosion Resistance of Zn-Al-Mg Alloy Coated Steel Product and Its Applications K. Kim, S. So, I. Park, J. Yoon, M. Oh , Y. Jang and M. Lee	Prof. Min-suk Oh , Chonbuk National University, Rep. of Korea
10.	Modified Epoxy Coating with high Efficiency Isocyanate Microcapsules for Corrosion Protection of Steel M. Attaei , L. M. Calado, M. Taryba A. C. Marques and M.F. Montemor	Ms. Mahboobeh Attaei , Lisbon University, Portugal
11.	Terbium doped calcium germinate (Ca ₂ GeO ₄) as a potential candidate for LED application I. Koseva, P. Tzvetkov, P. Ivanov, R. Tomova , A. Yordanova and V. Nikolov	Prof. Reni Tomova , The Institute of Optical Materials and Technologie, Bulgaria
12.	Structure and luminescent properties of Eu ³⁺ doped glass in the system WO ₃ -La ₂ O ₃ -B ₂ O ₃ -Nb ₂ O ₅ L. Aleksandrov, R. Iordanova, M. Milanova, P. Ivanov, P. Petrova and R. Tomova	Prof. Reni Tomova , The Institute of Optical Materials and Technologie, Bulgaria
13.	Dry Transfer of Chemical Vapor Deposition Graphene onto Silicon Wafers Treated by Silane Coupling Agents M. Ishihara and M. Hasegawa	Dr. Masatou Ishihara , National Institute of Advanced Science and Technology (AIST), Japan
14.	SnOx thin films using RF sputtering as transparent conductive materials Y. Zakaria , A. Slaoui, S. Ahzi, A. Samara, V. Bermudez Benito and S. Mansour	Mr. Yahya Zakaria , Hamad Bin Khalifa University, Qatar
15.	The Barrier and Electrochemical Properties of CVD Graphene on Metallic Substrates P. Ozga , A. Hara, Z. Świątek and J. Pstruś	Dr. Piotr Ozga , Polish Academy of Sciences, Poland
16.	Graphene surface analysis and layer counting using scanning low energy electron microscopy L. Průcha , J. Piňos, M. Kizovský and E. Mikmeková	Mr. Lukas Průcha , Institute of Scientific Instruments of the CAS, Czech Republic

17.	Adjustable Hydrogenation of Monolayer Graphene Depending on Back-Gate Voltage H.Choi and J.Hong	Ms. Harim Choi , Yonsei University, Rep.of Korea
18.	Low contact resistance for graphene on Pt bottom electrode and its effects on device performance J.Cha , J. Son and J. Hong	Mr. Jongin Cha , Yonsei University, Rep. of Korea
19.	Thin ice under pressure on graphene: a theoretical NMR study A. Jaadouni, E. Rauls, W.G. Schmidt and U. Gerstmann	Dr. Uwe Gerstmann , University of Paderborn, Germany
20.	Plasmon-enhanced Substrates for the Super-resolution Fluorescence Imaging C-Y.Lin, G. Abrigo and F-C. Chien	Mr. Fan-Ching Chien , National Central University, Taiwan
21.	Synthesis of silver nanoparticles and nanocomposites with unique structure and optical properties by UV-irradiation method A.Radoń	Mr. Adrian Radoń , Silesian University of Technology, Poland
22.	SbSI nanowires composites for energy harvesting and sensors B. Toroń , P. Szperlich, M. Jesionek, M. Koziol and M. Nowak	Dr. Bartłomiej Toroń , Silesian University of Technology, Poland
23.	Density Functional Study of Two Dimensional Monolayer PtX ₂ [X= S, Se and Te]. H. Alaqi and W.A.Diery	Ms. Hadeel Alaqi , King Abdulaziz University, Saudi Arabia
24.	EIS Characterization of Passive Films Formed on Al _x CoCrFeNi Alloys M.López Ríos , N.Florido Suárez, I.Voiculescu, V.Geanta and J.C.Mirza Rosca	Dr. Miguel Lopez , Las Palmas de Gran Canaria University, Spain
25.	Effects of Nickel Content on the Microstructure, Microhardness and Corrosion Behavior of High-entropy AlCoCrFeNi _x Alloys M.López Ríos , P.P.Socorro Perdomo, V.Lucero Baldevenites, I.Voiculescu, V.Geanta and J.C.Mirza Rosca	Dr. Miguel Lopez , Las Palmas de Gran Canaria University, Spain

October 24, 2019

SMS 2019 / EGF 2019 / NanoMed 2019 – Joint Posters Session II
Properties and applications

Posters Room Cascais

1.	Morphology and growth of carbon nanotubes synthesis by impinging flame L. Marques , A. Duarte and E. Fernandes	Dr. Luísa Marques , Techinal superior institute Lisbon, Portugal .
2.	Investigation of Polyoxometalate-Silica Thin Films for Chemical Gas Sensors S. Krutovertsev , L. Krutovertseva and O. Ivanova	Dr. Sergey Krutovertsev , JSC “Ecological sensors and systems”, Russia
3.	Piezotronics effects in Schottky diodes fabricated in AlGaN/GaN heterstructures B.K. Paszkiewicz , B. Paszkiewicz, M. Wosko and R. Paszkiewicz	Prof. Bogdan Paszkiewicz , Wroclaw University of Science and Technology, Poland
4.	Redox peptide film as platform for C-Reactive protein immunosensors J.P. Piccoli, A.C.Soaes, O.N. Oliveira, P.R. Bueno and E.M. Cilli	Prof. Eduardo Cilli , São Paulo State University, Brazil
5.	Graphene and Graphene Derivates-based Gas Sensors: State of the Art and Realistic Outlook S. Luby and J. Ivanco	Prof. Stefan Luby , Slovak Academy of Sciences, Slovakia
6.	Novel Type of SnO ₂ Rheotaxially Grown and Vacuum Oxidated Films for NO ₂ Sensing at Room Temperature B. Lyson-Sypien and M. Kwoka	Dr. Barbara Lyson-Sypien , Silesian University of Technology, Poland
7.	Surface Modification of Biodegradable Magnesium Mesh for Guided Bone Regeneration by Hydrothermal Treatment Y. Jang , I. Park, S. Wu, M. Lee, J. Ji, M. Oh and J. Yoon	Dr. Yong-Seok Jang , Chonbuk National University, Rep. of Korea
8.	Material and Biological Characteristics for Scaffold composed of Tooth and Tricalcium Phosphate Powders M. Lee , J. Gong, Y. Jang, I. Park, J. Ji and T. Bae	Prof. Min-Ho Lee , Chonbuk National University, Rep. of Korea
9.	Chitosan/ Hydroxyapatite/Magnetite Biocompatible Scaffolds for Bone Tissue Engineering A. Pistone , D. Iannazzo, C. Celesti, E. Piperopoulos, D. Ashok, A. Cembran, A. Tricoli and D. Nisbet	Prof. Alessandro Pistone , University of Messina, Italy
10.	Effects of Magnetic Nanoparticles and External Magnetic Fields on Glioblastoma Wnt Signaling Pathway S.H.Yang , Y. Choi, M. Park, H.W. Rho, H-Y. Son and Y-M. Huh	Mr. Seung Hyun Yang , Yonsei University-Seoul, Rep.of Korea
11.	Cell-penetrating Peptides and their Influence on Polyomavirus-based Nanosystems M. Hubalek Kalbacova , J. Vanova, A.Hejtmankova, J. Zackova Suchanova, P. Sauerova, J. Forstova and H. Spanielova	Prof. Marie Hubalek Kalbacova , Faculty of Medicine- Chareles University, Czech Republic
12.	Drug-carrying gold-iron nanowires for local treatment of glioblastoma multiforme J. M. Taylor , M. Williams, M. P. Ryan and A. E. Porter	Mr. Jonathan Taylor , Imperial College London, UK
13.	Methylene blue-loaded PLGA nanoparticles as adjunct in periodontal antimicrobial photodynamic therapy C.R.Fontana , J.S. M Giusti, N.S. Soukos, M.M. Amiji and V.S. Bagnato	Prof. Carla Fontana , Universidade Estadual Paulista (UNESP), Brazil
14.	Properties of Ion Pair Amphiphile Complexes as Possible Drug Delivery Systems J. Krouská , M. Havlíková, J. Szabová, L. Mravcová, C.-H. Chang and F. Mravec	Dr. Jitka Krouska , Brno University of Technology, Czech Republic
15.	Solid Lipid Nanoparticles for Topical Antiseptic Delivery and Release in Wound Healing M. Rysová , H. Tománková, M. Schaabová, M. Buzgo and T. Zajíc	Ms. Miroslava Rysova , Technical University of Liberec, Czech Republic
16.	AT101-loaded cubosomes: translational diffusion investigated with NMR technique and in vitro therapeutic efficiency D.K. Flak , V. Adamski, G. Nowaczyk, K. Szutkowski, M. Synowitz, J.Held-Feindt and S. Jurga	Dr. Dorota K. Flak , Adam Mickiewicz University Poznań, Poland

17.	Electrochemical immunosensors for detection of drug resistant bacterial infection R. Grinyte , B. Pérez-López, J.L. Muñoz-Gomez, M. McConnell, J. Dominguez, J.J. Infate, J. M. Cabot and M. Masa	Dr. Ruta Grinyte , Technological Center LEITAT, Spain
18.	Fabrication and characterization of micro/nanofibrous scaffolds made using drawing method and its application for tissue engineering A. Shynkarenko , D. Azulay, S. Hauzerova, A. Klapstova, M. Moucka and D. Lukas	Mr. Andrii Shynkarenko , Technical University of Liberec, Czech Republic
19.	Combined silk fibroin/nanohydroxyapatite scaffold with antibiotic addition for bone regeneration D.Polakova , I.Vichova, M. Schaabova, P. Kejzlar, L. Martinova and M.Rysova	Mrs. Dagmar Polakova , Technical University of Liberec, Czech Republic
20.	Novel nanofibers from polyamide/polyethylenimine for enzyme immobilization M.Maryšková , M.Schaabová , H.Tománková, V.Novotný and M.Rysová	Dr. Marketa Schaabova , Technical University of Liberec, Czech Republic
21.	DNA Tetraplex-based Biosensors for Cell Analysis A. Dembska , A. Świtalska, A. Fedoruk-Wyszomirska and B. Juskowiak	Dr. Anna Dembska , Adam Mickiewicz University, Poland
22.	Wrapping, Inhibition and Adsorption of Bacteria by Polycationic Graphene Sheets via Electrostatic Attraction O. Wagner, R. Ahmed , L. C. Camacho, A. Vaishampayan, D. Wight, E. Grohmann and R. Haag	Mr. Rameez Ahmed , Freie University Berlin, Germany
23.	Environmentally-friendly reduced graphene oxide functionalized with hyaluronic acid for targeted cancer photothermal therapy R. Lima-Sousa , D. de Melo-Diogo, C. G. Alves, E. C. Costa, P. Ferreira, R. O. Louro, A. G. Mendonça and I. J. Correia	Ms. Rita Lima-Sousa , University of Beira Interior, Portugal
24.	POxylated Graphene Oxide for cancer phototherapy and combinatorial drug delivery D. de Melo-Diogo , E. C. Costa, C. G. Alves, R. Lima-Sousa, P. Ferreira, R. O. Louro and I. J. Correia	Dr. Duarte de Melo-Diogo , University of Beira Interior, Portugal