

Nanotech France 2015 Conference Program

Day 1 : June 15, 2015		
07:30 - 10:00	Registration + Welcome Coffee	Registration / Main Hall
10:00 - 12:30	Plenary Talks Session Chairs: Prof Corinne Chanéac, France and Prof. Dafiné Ravelosona - France	Amphitheatre H
12:30 - 14:00	Lunch Break + Exhibition + Poster Session I	Restaurant / Main Hall
14:00 - 16:00	Session I: Nanomaterials Fabrication/ Synthesis Chairs: Prof. Taeghwan Hyeon - Rep. of Korea and Prof Corinne Chanéac - France	Room 511
	Session II - A: Nanomaterials Characterization and Tools Chairs: Prof Christophe Petit - France and Dr Nicolas Tsapis- France	Room 508
	Session II - B: Nanomaterials properties Chairs : Dr Denis Morineau - France and Prof. Katsuyoshi Kondoh- Japan	Room 561
	Session II - C: Nanomaterials synthesis and properties Chairs: Dr Dafiné Ravelosona – France and Prof James Johnston- New Zealand	Room 412/413
16:00 - 16:30	Coffee Break + Exhibition + Poster Session I	Main Hall
16:30 - 18:45	Session I: Nanomaterials Fabrication / Synthesis Chairs: Prof Corinne Chaneac – France	Room 511
	Session II - A: Nanomaterials Characterization and Tools Chairs: Prof Christophe Petit - France and Dr Nicolas Tsapis- France	Room 508
	Session II - B: Nanomaterials Properties Chairs : Dr Denis Morineau - France and Prof. Katsuyoshi Kondoh - Japan	Room 561
	Session II - C: Nanomaterials Synthesis and Properties Chairs: Dr Dafiné Ravelosona – France and Prof James Johnston - New Zealand	Room 412/413

Day 2 : June 16, 2015		
08:30 - 10:30	Plenary Talks session Chairs: Prof. Nathalie Mignet – France, Prof Steve Rannard – United Kingdom and Prof Patrick Boisseau-France	Amphitheatre H
10:30 - 11:00	Coffee Break + Exhibition + Poster Session II	Main Hall
11:00 - 12:30	Session III: Nano Electronics Chairs : Dr Dafiné Ravelosona - France and Prof Jean-Luc Duvail - France	Room 412/413
	Session IV - A: Nanotech in Life Sciences & Medicine Chairs: Prof Nathalie Mignet – France, Prof Steve Rannard - United Kingdom and Prof Allan S. Hoffman USA	Room 511
	Session IV - B: Nanotech in Life Sciences & Medicine Chairs: Prof Frederic Chaubet, France and Dr Maria-Antonietta Buccheri - Italy	Room 508
	Session IV - C: Nanotech in Life Sciences & Medicine Chairs : Prof Patrick Boisseau - France and Prof Magnus Nyden - Australia	Room 561
	Nano MatEn 2015: Nanotech for Energy & Environment Chairs: Prof Roger Newman – Canada, Dr Sofoklis Makridis – Greece and Prof James Hill- Australia	Room 115/116
12:30 - 14:00	Lunch break + Exhibition + Poster session II	Restaurant / Main Hall
14:00 - 16:00	Session III: Nano Electronics Chairs : Prof Christos Christides – Greece, Prof Dao-Hua Zhang-Singapore and Prof James Johnston- New Zealand	Room 412/413
	Session IV - A: Nanotech in Life Sciences & Medicine Chairs: Prof Laurence Rozes – France, Prof Nathalie Mignet – France and Dr Alexandra Wittmar - Germany	Room 511
	Session IV - B: Nanotech in Life Sciences & Medicine Chairs: Prof Frederic Chaubet - France, Dr Maria-Antonietta Buccheri - Italy and Prof Vladimir Torchilin - USA	Room 508
	Session IV - C: Nanotech in Life Sciences & Medicine Chairs : Prof Patrick Boisseau - France and Prof Magnus Nyden - Australia	Room 561
	Workshop: Towards Horizon 2020 Call Priorities & Funding for Micro / Nano-Enabling Technologies	Room 115/116
16:00 - 16:30	Coffee break + Exhibition + Poster session II	Main Hall
16:30 - 18:45	Session III: Nano Electronics Chairs : Prof Christos Christides – Greece, Prof Dao-Hua Zhang-Singapore and Prof James Johnston- New Zealand	Room 412/413
	Session IV - A: Nanotech in Life Sciences and Medicine Chairs: Prof Laurence Rozes- France, Prof Nathalie Mignet- France and Dr Alexandra Wittmar - Germany	Room 511
	Session IV - B: Nanotech in Life Sciences and Medicine Chairs: Prof Frederic Chaubet - France, Dr Maria-Antonietta Buccheri- Italy and Prof Vladimir Torchilin, USA	Room 508
	Session IV - C: Nanotech in Life Sciences and Medicine Chairs : Prof Steve Rannard - United Kingdom and Prof Magnus Nyden - Australia	Room 561

	Workshop: Towards Horizon 2020 Call Priorities & Funding for Micro / Nano-Enabling Technologies	Room 115/116
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Day 3 : June 17, 2015		
08:30 - 10:30	Session IV - D: Nanotech in Life Sciences and Medicine / Nanosafety Chairs: Prof Karen Martinez- Denmark / Prof Hyunjoon Kong -USA	Room 511
	Nano MatEn 2015 : Nanotech for Energy and Environment Chairs: Prof Rajan Jose – Malaysia, Dr Sofoklis Makridis – Greece and Prof Guosheng Shao – United Kingdom	Room 412/413
	Session V: Other Nanoapplications Chairs: Prof Thierry Bastogne – France, Prof. Nathalie Mignet - France and Prof Raman Singh - Australia	Room 508
10:30 - 11:00	Coffee Break + Exhibition	Main Hall
10:30 - 13:00	Brokerage session / B to B Meetings	Main Hall
11:00 - 12:30	Session IV - D: Nanotech in Life Sciences and Medicine / Nanosafety Chairs: Prof Karen Martinez - Denmark and Prof Hyunjoon Kong - USA	Room 511
	Nano MatEn 2015 : Nanotech for Energy and Environment Chairs: Prof Rajan Jose – Malaysia, Dr Sofoklis Makridis – Greece and Prof Guosheng Shao - United Kingdom	Room 412/413
	Session V: Other Nanoapplications Chairs: Prof Thierry Bastogne - France, Prof. Nathalie Mignet - France and Prof Raman Singh - Australia	Room 508
11:30 - 14:00	Networking Cocktail + Closing Ceremony	Main Hall

15 June 2015

Advanced Nanomaterials: Synthesis / Fabrication, Characterization and Tools

Amphitheatre H

Session Chairs: Prof. Corinne Chanéac - France and Prof. Dafiné Ravelosona

07:30-10:00

Registration + Welcome Coffee

10:00-10:40	New frontiers in the science of nanostructured materials for information technology A. Fert	Prof. Albert Fert (2007 Nobel Prize Physics), CNRS/Thales (UMR137) - France
10:40-11:20	State-of-the-Art in Metal Matrix Composites Reinforced with Carbon Nanotubes by Powder Metallurgy Process K. Kondoh	Prof. Katsuyoshi Kondoh , Osaka University - Japan
11:20-12:00	Designed Chemical Synthesis and Assembly of Uniform-sized Nanoparticles for Medical and Energy Applications T.Hyeon	Prof. Taeghwan Hyeon , Seoul National University - Republic of Korea
12:00-12:30	Nanomaterials for Biomedical and Green Chemistry Applications J.Y. Ying	Prof. Jackie Y. Ying , Institute of Bioengineering & Nanotechnology - Singapore

12:30-14:00

Lunch Break + Exhibition + Posters session I

15 June 2015

Session I: Nanomaterials Fabrication / Synthesis

Room 511

Session Chairs : Prof. Taeghwan Hyeon - Rep. of Korea and Prof Corinne Chanéac - France

14:00-14:15	Hyperbranched-Polydendrons: A New Materials Platform for Advanced Polymer Technologies F. L. Hatton, H. Rogers, A. Dwyer, L. M. Tatham, L. R. Tidbury, P. Chambon, A.Owen and S. P. Rannard	Prof Steve Rannard , University of Liverpool - United Kingdom
14:15-14:30	New geometric model for carbon nanocones incorporating curvature B.J. Cox and J.M. Hill	Prof James M. Hill , University of Adelaide - Australia
14:30-14:45	New Synthesis of Cobalt Nanoparticles with Tunable Size in Ionic Liquids B. Morcos , P.H. Haumesser and C.C. Santini	Dr Bishoy Morcos , CEA, LETI, Minatec Campus, Grenoble - France.
14:45-15:00	Intense visible emission from ZnO nanoparticles synthesized via co-precipitation and hydrolysis methods Y. Zhu , A. Apostoluk, B. Masenelli, P. Gautier, A. Valette and S. Danielle	Ms Yao Zhu , Institut national des sciences appliquées de Lyon – France
15:00-15:15	Influence of Processing Parameters on the Structure of Porous Metal Oxide-Cellulose Nanocomposites Prepared by Non-Solvent Induced Phase Separation A. Wittmar and M.Ulbricht	Dr Alexandra Wittmar , University Duisburg-Essen - Germany
15:15-15:30	Ultra-fast and controlled synthesis of Au-Iron Oxide hybrid nanocomposites using microfluidics A.Larrea , V.Sebastian, M. Arruebo and J.Santamaria	Ms Ane Larrea , University of Zaragoza – Spain
15:30-15:45	Atmospheric Pressure Plasma for Nanomaterials : Production of Tailored Metal, Oxide and Polymer coated nanoparticles by Discharge Filaments in Dielectric Barrier Discharges J-P. Borra , N. Jidenko, J. Hou and A. Weber	Dr Jean-Pascal Borra , CNRS-Paris-Sud University - France
15:45-16:00	Nanolithography using thermal scanning probes S.M. Weber	Dr Stefan Weber , SwissLitho AG - Switzerland

16:00-16:30

Coffee Break + Exhibition + Poster session I

Session Chair: Prof Corinne Chanéac – France

16:30-16:45	A novel method for the preparation of poly(aminoacid) capped ultrasmall gold nanoclusters I. Guryanov , F. Polo, S. Antonello, F. Maran, E. V. Ubyivovk, E. Vlakh and T. Tennikova	Dr Ivan Guryanov , St.-Petersburg State University - Russia
16:45-17:00	First-principles calculations of two BN plus two C stripes BxCyNz selected nanotubes E. Ribas, M. J. Piotrowski, A. C. M Carvalho and M. Machado	Dr Marcelo Machado , Universidade Federal de Pelotas – Brazil
17:00-17:15	Control of inter (bi)metallic nanoparticulate distances F. Kameche , A. Six, A.-T. Ngo, D. Kreher, F. Mathevet, A-J Attias, C. Salzemann, F. Charra and C. Petit	Mr Farid Kameche , 1 Sorbonne Universités, UPMC Univ Paris 06/UMR 8233 - France
17:15-17:30	Electrodeposition of Gold Dendrites in the Presence of Aminosilane on FTO glass and Their Applications N.Y .Hau and S. P. Feng	Ms Nga Yu Hau , University of Hong Kong - Hong Kong
17:30-17:45	Novel Nano Rods of N-nicotinyl,N',N"-bis(hexamethylenyl) Phosphorictriamide N. Oroujzadeh	Dr Nasrin Oroujzadeh , Iranian Research Organization for Science and Technology (IROST) - Iran

17:45-18:00	Cross-linked PAN-based thin-film composite membranes for non-aqueous nanofiltration L. Pérez-Manríquez , J. Aburabi'e, P. Neelakanda and K-V. Peinemann	Ms Liliana Pérez-Manríquez , King Abdullah University of Science and Technology (KAUST) -Thuwal - Kingdom of Saudi Arabia
18:00-18:15	Materials aspects of AISi foams and AISi + SiC composite foams joining J. Nowacki	Prof Jerzy Nowacki , West Pomeranian University of Technology- Poland
18:15-18:30	Nanofunctionalization of alginate and alginate/GelMA crosslinked hydrogels by nanoliposomes and 3D construct R. Kadri , B. Aliakbarian, L. Sanchez-Gonzalez, A. Tamayol, A.H. Najafabadi, A. Khademhosseini and E. Arab-Tehrany	Ms Rana Kadri , Lorraine University- France

15 June 2015

Session II - A: Nanomaterials Characterization and Tools

Room 508

Session Chairs: Prof Christophe Petit - France and Dr Nicolas Tsapis- France

14:00-14:15	Simultaneous Topography and Electrochemical Imaging (SECM) G. Kada , S. Wu and C. Kranz	Dr Gerald Kada , Keysight Technologies GmbH - Austria
14:15-14:30	Copper nanoparticles: organization and stability K. Ouadahi and A. Courty	Mrs Karima Ouadahi , Pierre et Marie Curie University - France
14:30-14:45	Improved spectral imaging ellipsometry for nanoscale solid-liquid interface investigations A. Miranda and P. A. A. De Beule	Dr Pieter De Beule , International Iberian Nanotechnology Laboratory, Braga - Portugal
14:45-15:00	Quantitative ellipsometric measurements of single micro-objects D. Lyutov , S. Hadjiiski, G. Tsutsumanova, S. Russev	Mr Dimitar Lyutov , University of Sofia – Bulgaria
15:00-15:15	blueDrive™ photothermal excitation for fast, reliable and quantitative AFM A. Labuda , J. P. Cleveland, N. Geisse, S. Hohlbauch, M. Kocun, R. Proksch, I. Revenko, M. Viani, D.A. Walters.	Mr Julien Lopez , Asylum Research, an Oxford Instruments Company, California - USA
15:15-15:30	On-chip characterization and sorting of engineered nanomaterial surface properties by real-time affinity monitoring C. Desmet , A. Valsesia, S. Muldur, V. Spampinato, G. Ceccone, P. Colpo and F. Rossi	Dr Cloe Desmet , European Commission Joint Research Centre, Institute for Health and Consumer Protection, Ispra - Italy
15:30-15:45	HPLC Optimization for Clotrimazole Assay in Microemulsion and Microemulsion-Based Gel P. Boonme , J. Kaewbanjong, T. Amnuait and E.B. Souto	Dr Prapaporn Boonme , Prince of Songkla University, Songkhla – Thailand
15:45-16:00	Structural characterization of DPPC nanosized liposomes by optical and cryoelectron microscopy: interactions with bovine serum albumin R. Rachana , J. Bellare and R. Banerjee	Dr Rachana R , JayPee Institute of Information Technology - India

16:00-16:30 **Coffee Break + Exhibition+ Poster Session I**

Session Chairs: Prof Christophe Petit - France and Dr Nicolas Tsapis- France

16:30-16:45	Nanometer scale characterizations of InGaN nanorods grown on GaN template Y. El Gmili , S. Sundaram, R. Puybaret, X. Li, P. L. Bonanno, C. Pradalier, P. L. Voss, J.P. Salvestrini and A. Ougazzaden	Dr Youssef El Gmili , UMI GeorgiaTech, CNRS2958 - France
16:45-17:00	Picodiagnosics of Nanomaterials Local Atomic Structure: X-Ray Absorption Spectroscopy and Computer Modeling Synergy A. Soldatov , A. Kravtsova, K. Lomachenko, M. Soldatov, A. Bugaev and O. Polozhentsev	Prof Alexander Soldatov , Southern Federal University of Russia - Russian Federation
17:00-17:15	Optical and Structural Characterizations of Phase Transition in Nanoscale Perovskite CH ₃ NH ₃ PbI ₃ H. Wu , W. Kong and Z. Ye	Prof Huizhen Wu , Zhejiang University - China
17:15-17:30	An Investigation of Sb ₂ Te and Ge ₂ Sb ₂ Te ₅ Phase Change Memory Film Properties Deposited by Pulsed Laser Deposition S. E. Khansari and M. Hoffman	Mrs Sayedeh Emami Khansari , University of New South Wales, Sydney - Australia
17:30-17:45	Advanced Transmission Electron Microscopy of Epitaxial-Enabled Morphology Controlling ITO NWs O.I. Lebedev , S. Turner, Y. Shen and T. Wu	Dr Oleg Lebedev , CRISMAT Laboratory/UMR 6508/ CNRS ENSICAEN - France
17:45-18:00	Dynamic Characteristics of Carbon Nanotube Based Nano-composites with Atomic Vacancy and Stone-Wales Defects S.O. Gajbhiye and S. P. Singh	Prof Satinder Paul Singh , Indian Institute of Technology Delhi - India
18:00-18:15	Multi-scale characterization of chitosan-nanoemulsion blended film R.R.A. Soares , E.A. Tehrany, K. Delion, M. Guillemain, N.E. Amrani and W. Xu	Mrs Raquel Soares , ENSAIA, University of Lorraine - France

15 June 2015

Session II - B: Nanomaterials properties

Room 561

Session Chairs: Dr. Denis Morineau - France and Prof. Katsuyoshi Kondoh - Japan

14:00-14:15	Identification of Ductility Function in Titanium Nitride Nanocoating Deposited on Polycarbonate-urethane of Ventricular Assist Device A. Milenin , M. Kopernik and S. Kaç	Prof Andrij Milenin , AGH University of Science and Technology - Poland
14:15-14:30	Diffusion of Proteins Through and Across Polyelectrolyte Multilayers S.Pahal , M.Varma and A.M.Raichur	Mrs Suman Pahal , Indian Institute of Science - India
14:30-14:45	Synthesis and Characterisation of Conjugated Polymer Nanoparticles for Fluorescence Imaging Applications G. Redmond	Prof Gareth Redmond , University College Dublin - Ireland
14:45-15:00	The Role of DC and PRC Current Densities on the Sliding Wear of Electrodeposited Nickel-Cobalt /CNT Composite Coatings R. Karslioglu and H. Akbulut	Prof Hatem Akbulut , Sakarya University - Turkey
15:00-15:15	Widely and Rapidly Switchable Wettability Through Short-Range Ordered-Disordered Transition and Redox Reaction Y-H. Chang and S-P. Feng	Mrs Ya-Huei Chang , University of Hong Kong - Hong Kong
15:15-15:30	Critical overview of polymer self-assemblies formation and characterization M. Dionzou, C. Roux , U. Till, B. Lonetti, J.-D. Marty, A.-F. Mingotaud, C. Mingotaud, P. Joseph, D. Goudounèche, B. Payré and M. Léonetti	Dr Clément Roux , Toulouse University - France
15:45-16:00	Prediction of photothermal phase signatures from arbitrary plasmonic nanoparticles and experimental verification O. Blum and N.T. Shaked	Mr Omry Blum , Tel Aviv University - Israel

16:00-16:30

Coffee Break + Exhibition + Poster Session I

Session Chairs: Dr. Denis Morineau - France and Prof. Katsuyoshi Kondoh - Japan

16:30-16:45	In-Situ Thermally-reduced Graphene Oxide/Epoxy Composites: Thermal and Mechanical Properties G. B. Olowojoba , A. C. Taylor and A. J. Kinloch	Dr Ganiu Olowojoba , Imperial College London - United Kingdom
16:45-17:00	Tribological Behaviors of Yttria-Stabilized Zirconia (YSZ) Nanoparticles as Lubricant Additives A. Sert and D. Yılmaz Çakta	Mr Abdullah Sert , Eskisehir Osmangazi University - Turkey
17:00-17:15	Calcium phosphate super-balls synthesized in presence of gelatin and chitosan J. Koetz and I. Kovach	Prof Joachim Koetz , Potsdam University - Germany
17:15-17:30	NanoBuilding Blocks based-Hybrid organic-inorganic copolymers with Self-Healing Properties L. Rozes , F. Potier, A. Guinault, S. Delalande, C. Sanchez and F. Ribot	Prof Laurence Rozes , Sorbonne University, UPMC Univ Paris 06 /Collège de France/CNRS UMR 7574 - France .
17:30-17:45	Hybrid gold nanoparticles modified by oligopeptides for lead (II) ions interaction monitoring J. Politi , J. Spadavecchia, M. Iodice and L. de Stefano	Dr Jane Politi , Institute for Microelectronics & Microsystems, Naples, NRC - Italy
17:45-18:00	Characterization of Ferromagnetic Metal-Carbon Nanocomposites Prepared by Solid-Phase Pyrolysis of Metal-Phthalocyanines A. Manukyan , A. Mirzakhanyan, H. Gyulasaryan, R. Khachatryan, E. Sharoyan	Dr Aram Manukyan , Institute for Physical Research/ NAS of Armenia - Armenia
18:00-18:15	Ambient scalable synthesis of surfactant-free thermoelectric metal chalcogenide nanostructures C. Han , Z. Li, W.L. Li, L.J. Zhang and S. X. Dou	Mr Chao Han , University of Wollongong - Australia
18:15-18:30	Effect of Temperature During Composite Materials Synthesis for the use as Gas Separators in Alkaline Water Electrolysers on their Ionic Conductivity and Oxygen Barrier Properties J. Stojadinović , G. Kasiribidhendi and F. La Mantia	Dr Jelena Stojadinovic , University of Bochum-Bochum - Germany
18:30-18:45	Effect of polystyrene nanocomposite prepared via Pickering emulsion polymerization on the mechanical properties of PP and EVA A.B. Moustafa, M.E. Abd El-Aziz, A.M Rabie and H.A. Essawy	Prof Hisham Essawy , National Research Center, Cairo - Egypt .

15 June 2015

Session II - C: Nanomaterials Synthesis and Properties

Room 412/413

Session chairs : Dr. Dafiné Ravelosona - France and Prof. James Johnston - New Zealand

14:00-14:15	Kinetic Study of Functionalization of Carbon Nanomaterials T.P. Dyachkova , E.N. Tugolukov, I.V. Anosova and A.G. Tkachev	Ms Tatyana Dyachkova , Tambov State Technical University - Russian Federation
14:15-14:30	Single and Biphasic TiO ₂ nanotubes by Electrochemical Anodization R.Savitha , K. Nolan, A. Morrissey, R.Ravi Krishna, P.Selvam, R. Chetty	Mrs Savitha Rangasamy , Indian Institute of Technology, Madras - India .
14:30-14:45	3D Printed Hydrophobic and Antimicrobial Nanofunctionalised Surfaces M. J. Cook , L. Gilbertson, J. H. Johnston and T. Miller	Ms Michelle Cook , Victoria University of Wellington - New Zealand
14:45-15:00	Molecular dynamics simulation of glass formation and crystallization in binary PdNi and CuNi alloys. M. Faruq , A. Villesuzanne and G. Shao	Mr Muhammad Faruq , University of Bolton - United Kingdom
15:00-15:15	Graphene mediated synthesis of gold nanoparticles and its nanocomposite and their Applications P. C. Pandey and Y. Pandey	Mr Yashashwa Pandey , Indian Institute of Technology (BHU) - India
15:15-15:30	Preparation, morphological and AC electrical characterization of porous PEG/Polyaniline/Gold Nanowires composite. M. Celentano , R. Vecchione and P. A. Netti	Dr Maurizio Celentano , Napoli University - Italy
15:45-16:00	Low Pressure Chemical Vapor Deposition of Nickel Oxide Nanospheres as Anode for Lithium-ion Battery L. Meda , C. Arnold. A, J. He and A. Dangerfield	Dr Lamartine Meda , Xavier University of Louisiana - USA

16:00-16:30 Coffee Break + Exhibition+ Poster Session I

Session chairs : Dr. Dafiné Ravelosona - France and Prof. James Johnston - New Zealand

16:30-16:45	Morphology, Properties and Electrocatalytic Behaviour of Nanoporous Metals prepared by Electrolytic Dealloying of AgAuPt Alloys A. Vega and R.C. Newman	Prof Roger Newman , University of Toronto - Canada
16:45-17:00	Modulation of Active Sites in Supported Au ₃₈ (SC ₂ H ₄ Ph) ₂₄ Cluster Catalysts: Effect of Atmosphere and Support Material B.Zhang , S.Kaziz, H.Li, M.G.Hevia, D.Wodka, C.Mazet, T.Bürgi and N.Barrabés	Ms Bei Zhang , University of Geneva - Switzerland
17:00-17:15	Tuning colloidal stability, MRI relaxivity and bioelimination of functional nanoparticles A. Walter , A. Garofalo, J. Taleb, P. Bonazza, C. Billotey, S. Laurent, L. Vander Elst, R. N. Muller, D. Felder-Flesch and S Begin-Colin	Dr Aurelie Walter , Ecole polytechnique fédérale de Lausanne - Switzerland
17:15-17:30	Parametric study on Fiber Bragg Grating for improvement of AE sensitivity I. Kandas , N. Shehata, E. Samir and H.A. Khater	Dr Ishac Kandas , Alexandria University - Egypt .
17:30-17:45	The Power of Heterogeneity: A Systems Approach to Complex Data in Materials Science M. Nyden , N, Williamson, M. Röding and T. Nann	Prof Magnus Nyden , University of South Australia, Adelaide - Australia
17:45-18:00	A facile route to synthesize rutile TiO ₂ nanorods arrays via hydrothermal method M. Guo , Y. Gao, Q. Deng, X. Xia and G. Shao	Ms Meilan Guo , University of Bolton - United Kingdom
18:00-18:15	The Effect of pH on Expanding Titanate Nanotubes & Their Use as a High Capacity Lithium-Ion Battery Electrode with High Rate Capability A. Yürüm , M. Yarali, E. Bicer and S. Alkan Gürsel	Dr Alp Yurum , Sabanci University, Istanbul - Turkey
18:15-18:30	Preparation of Graphene Encapsulated Silicon Nanoball by CVD using Metal Coating H. Kim , S. Park, I. Kang and H. Huh	Mr Huijin Kim , Korea Institute of Industrial Technology, Inha University - Rep. of Korea

16 June 2015

Amphitheatre H

Session Chairs: Prof. Nathalie Mignet - France, Prof. Steve Rannard – United Kingdom and Prof Patrick Boisseau - France

8:30-9:10	The Early History of Nanocarriers as Drug Delivery Systems A. S. Hoffman	Prof Allan S. Hoffman, Bioengineering Department, University of Washington - USA
9:10-9:50	Nanomedicine for molecular imaging: interest of bimodality in preclinical studies N. Mignet	Dr Nathalie Mignet, CNRS - UMR8258/ Faculty of Pharmacy Paris- France
9:50-10:30	Nanotechnologies for the treatment of severe diseases P. Couvreur	Prof. Patrick Couvreur, University of Paris-Sud, Institut Galien, France
10:30-11:00	Coffee Break + Exhibition + Poster session II	

16 June 2015

Session III: Nano Electronics

Room 412/413

Session Chairs: Dr. Dafiné Ravelosona - France and Prof Jean-Luc Duvail - France

11:00-11:15	Towards a force-displacement sensor based on vertical ZnO piezoelectric nanowires E. León Pérez, M. Mouis and E. Pauliac-Vaujour	Mr Edgar Leon Perez, CEA, LETI - France
11:15-11:30	Transport properties of nanoscale TFET by atomic scale simulations U. Martinez Pozzoni, T. Markussen, A. Blom and K. Stokbro	Dr Umberto Martinez, QuantumWise A/S - Copenhagen – Denmark
11:30-11:45	InAsSb based room temperature Infrared Photodetectors J. Tong, P. Ni and D-H. Zhang	Prof Dao-Hua Zhang, Nanyang Technological University – Singapore
11:45-12:00	Selective preconcentration within a nanoslit: one route for monitoring the biomolecule focusing front line. F-D. Delapierre, A-C. Louër, A. Pallandre and A-M Haghiri-Gosnet	Dr François-Damien Delapierre, LPN, CNRS, Marcoussis - France
12:00-12:15	Controlled Insulator to Metal transition in SiO ₂ –TiO ₂ nanocomposite containing silver nanoparticles T. Das Gupta, J. Corde, S. Perruchas, J-P. Boilot, A. Charles Rowe and T. Gacoin	Mr Tapajyoti Das Gupta, CNRS - Polytechnic School – Palaiseau – France
12:15-12:30	Surface-Dominated Transport and Enhanced Thermoelectric Figure of Merit in Topological Insulator Bi _{1.5} Sb _{0.5} Te _{1.7} Se _{1.3} T-C.Hsiung and Y-Y. Chen	Mr Te-Chih Hsiung, National Taiwan University - Taiwan
12:30-12:45	Side-jump scattering in nanogranular Bi thin films C. Christides and P. Athanasopoulos	Prof Christos Christides, University of Patras - Greece
12:45-13:00	Light emission coupling from Carbon nanotubes in silicon photonic structures C. Alonso-Ramos, A. Noury, E. Durán-Valdeiglesias, W. Zhang, F. Sarti, Federico La China, H.C. Hoang, X. Le Roux, H. Yang, E. Cassan, N. Izard, A. Filoramo, V. Bezugly, M. Gurioli, L. Vivien	Dr. Carlos Alonso- Ramos, Univ Paris 11, France
12:30-14:00	Lunch Break + Exhibition + Poster session II	

Session III: Nano Electronics

Room 412/413

Session Chairs: Prof Christos Christides – Greece, Prof Dao-Hua Zhang-Singapore and Prof James Johnston- New Zealand

14:00-14:15	Single-Molecule Switches Triggered by Light, Chemical and Electrochemical Stimuli N. Darwish, A.C. Aragonès, T. Darwish, S. Ciampi and I. Díez-Pérez	Dr Nadim Darwish, University of Barcelona – Spain
14:15-14:30	Performance study of Phase Change Memory in Different Crossbar Architectures N.H. El-Hassan, T. N. Kumar and H. A.F. Almurib	Ms Nemat H. El-Hassan, University of Nottingham - Malaysia.
14:30-14:45	Synthesis of IV-VI Transition Metal Carbide and Nitride Nanoparticles using a Reactive Mesoporous Template for Electrochemical Hydrogen Evolution N.S. H. Alhajri, D.H. Anjum, M. N. Hedhili and K. Takanabe	Ms Nawal Alhajri, KAUST - Kingdom of Saudi Arabia.
14:45-15:00	Zinc doped InP colloidal quantum dots N. Mordvinova, A. Vinokurov, T Kuznetsova, S. Dorofeev and O. Lebedev	Mrs Natalia Mordvinova, Lomonosov Moscow State University – Russia
15:00-15:15	Micellar and Colloidal Dispersions of Conjugated Polymer Nanoparticles for Photoinduced Electron Transfer Applications S. Wang and G. Redmond	Ms Suxiao Wang University College Dublin - Ireland
15:15-15:30	Coupling between plasmonic response of supported gold particles and changes on TiO ₂ band gap	Ms Selene Islas, Universidad Nacional Autónoma de México -

	S. R. Islas , R. Zanella and J. M. Saniger	Mexico
15:30-15:45	On Low Temperature Photoluminescence of Zinc-blende CdS and Au-CdS Nanocrystals S. V. Kahane , V. Sudarsan and S. Mahamuni	Ms Shital Kahane , SP Pune University - India
15:45-16:00	Nanoplasmonics in Inorganic Nanoparticles T. Teranishi	Prof Toshiharu Teranishi , Kyoto University - Japan
16:00-16:30 Coffee Break + Exhibition + Posters session II		
Session Chairs: Prof Christos Christides – Greece, Prof Dao-Hua Zhang-Singapore and Prof James Johnston- New Zealand		
16:30-16:45	MoS ₂ Transistors with Electrografted Organic Ultrathin Film as Efficient Gate Dielectric H. Casademont , L. Fillaud, X. Lefevre, R. Cornut, B. Jusselme and V. Derycke	Mr Hugo Casademont , CEA Saclay, IRAMIS / NIMBE (UMR 3685) / LICSEN - France
16:45-17:00	Nanoscale Magnetic Materials and Magnetic Nanodots for Spintronic Applications S. Ghosh	Prof Santanu Ghosh , Indian Institute of Technology Delhi- India
17:00-17:15	Polymer-Based Nanowires and Nanotubes: nanosources, wave-guiding J.L. Duvail , A. Garreau, J. Bignon, N. Huby, B. Bêche, F. Massuyeau, A. Désert, S. Cordier, Y. Molard and E. Faulques	Prof Jean-Luc Duvail , University of Nantes - France
17:15-17:30	3D Simulation of DG-FinFET transistor with different channel materials and gate dielectrics N. Boukortt , B. Hadri, L. Torrisi, S. Patanè, A. Caddemi, and G. Crupi	Mr Nour El Islam Boukortt , University of Messina - Italy
17:30-17:45	Key Variable Components for Enhancing Charge Transfer at PbS Quantum Dots/Porphyrin Interfaces: From Quantum Confinement to Electrostatic Interaction A. O. El-Ballouli , E. Alarousu, O. M. Bakr and O. F. Mohammed	Mrs Ala'a El-Ballouli , King Abdullah University of Science and Technology (KAUST), Thuwal, Kingdom of Saudi Arabia
17:45-18:00	Room Temperature Synthesis and Characterization of Stable, Highly Luminescent PbS/CdS Core-Shell Quantum Dots with Emission Below 1100 nm E. Durmusoglu , P. Dagtepe, Y. Turker and H. Yagci Acar	Mr Emek Goksu Durmusoglu , Koc University, Istanbul - Turkey
18:00-18:15	PANI deposited carbon cloth as binder-free electrode for symmetric supercapacitor application M.V. Astakhov, R.R. Galimzyanov, A.A. Klimont, I.S. Krechetov, S.V. Stakhanova, O. V. Uryupina and M. Kundu	Dr Manab Kundu , National University of Science and Technology - Russia Federation
18:15-18:30	High performance photoconductive device for UV region fabricated using graphene- n-GaN nanowire hybrid structure on Si substrate S. Kang, A. Mandal , J.H. Chu, J-H. Park, S-Y. Kwon and C-R. Lee	Dr Arjun Mandal , Chonbuk National University - Rep. of Korea
18:30-18:45	Transparent and flexible electrodes based on metallic nanowire networks: New nanomaterials and operating stability. A. Cabos , C. Celle, A. Carella and J-P. Simonato	Mr Anthony Cabos , CEA-LITEN / DTNM / SEN / LSIN, Grenoble - France

16 June 2015

Session IV - A: Nanotech in Life Sciences and Medicine

Room 511

Session Chairs: Prof. Nathalie Mignet – France, Prof. Steve Rannard – United Kingdom and Prof. Allan S. Hoffman USA

11:00-11:15	Emergence of Ag2S Quantum Dots and Their Magnetic Hybrid Structures as New Promising Bionanomaterials H. Yagci Acar , I. Hocaoglu, D. Asik, C. Grandfils, I. Ojea-Jimenez and F. Rossi	Prof Havva Funda Yagci Acar , Koc University, Istanbul - Turkey
11:15-11:30	Stimuli-sensitive combination nanopreparations of siRNA and chemotherapeutic drugs to treat multidrug resistant cancer V. Torchilin	Prof Vladimir Torchilin , Northeastern University, Boston - USA
11:30-11:45	Nanocapsules of perfluorooctyl bromide as theranostic agents: formulation and in vivo evaluation T. Boissenot, B. Larrat, A. Bordat, P. Calleja-Gonzalez, G. Giacalone, L. Mousnier, E. Fattal and N. Tsapis	Dr Nicolas Tsapis , Univ Paris-Sud, Institut Galien Paris-Sud, UMR CNRS 8612, LabEX LERMIT, Pharmacy Faculty - France
11:45-12:00	Formulation and evaluation of Rosuvastatin Calcium-loaded solid lipid nanoparticles P. Shah	Dr Pranav Shah , Uka Tarsadia University - India
12:00-12:15	A blueprint for modified siRNA-cationic peptide dendrimer based therapy of Type 2 diabetes through 'PTPN1' gene silencing G. Kokil	Mr Ganesh Kokil , The University of Queensland - Australia
12:15-12:30	Instability of Carbon Nanoparticles Interacting with Lipid Bilayers D. Baowan	Dr Duangkamon Baowan , Mahidol University, Bangkok - Thailand
12:30-14:00 Lunch Break + Exhibition + Poster session II		

16 June 2015

Session IV- A: Nanotech in Life Sciences and Medicine

Room 511

Session Chairs: Prof Laurence Rozes – France, Prof Nathalie Mignet – France and Dr Alexandra Wittmar - Germany

14:00-14:15	Targeting of asymmetric amino acid-based cationic dendrimers to caveolae P. Rewatkar , H. S. Parekh and M. Parat	Ms Prarthana Rewatkar , Univ. of Queensland - Australia
14:15-14:30	Polymeric self-assemblies for photodynamic therapy: a critical approach U. Till, L. Gibot, B. Moukarzel, A.F. Mingotaud , M.P. Rols, M. Gaucher, F. Violleau, C. Chassenieux and P. Vicendo	Dr Anne-Françoise Mingotaud , IMRCP, Univ. Paul Sabatier, Toulouse - France
14:30-14:45	Biodegradable Nanoconstructs for Pharmacology: Development of Biomimetic Systems for Drug Delivery and Pathogen Blockage T. Tennikova , V. Korzhikov, I. Guryanov, V. Sharoyko and E. Vlakh	Prof Tatiana Tennikova , Saint-Petersburg State University, Russian Federation
14:45-15:00	Evaluation of Gelled Oil Nanoparticles as New Vehicles for Drug Delivery B. Martin , F. Brouillet, S. Franceschi-Messant and E. Perez	Mr Baptiste Martin , Toulouse University III- France
15:00-15:15	Bio-inspired catanionic vesicles as drug delivery systems: Study of the cell internalisation pathways P. Castagnos, C. Mauroy, J. Teissié, I. Rico-Lattes, A. C. Tedesco, M. P. Rols and M. Blanzat	Dr Muriel Blanzat , Paul Sabatier University, Toulouse - France
15:15-15:30	Novel Nano-Carriers for Controlled Pulmonary Drug Delivery I. M. El-Sherbiny and H. D. C. Smyth	Prof Ibrahim El-Sherbiny , Zewail City of Science and Technology - Egypt
15:30-15:45	Effect of Nanotube Materials on Encapsulation of Lysozyme N. Thamwattana	Prof Ngamta Thamwattana , University of Wollongong - Australia
15:45-16:00	Structure-directing star-shaped block copolymers: Supra-molecular vesicles for the delivery of anticancer drugs C. Yang , S. Qiong Liu, S. Venkataraman, S.J.Gao, X.T. Chia, J.L. Hedrick and Y.Y.Yang	Dr Chuan Yang , Institute of Bioengineering and Nanotechnology - Singapore
16:00-16:30 Coffee Break + Exhibition + Posters session II		

Session Chairs: Prof Laurence Rozes – France, Prof Nathalie Mignet – France and Dr Alexandra Wittmar - Germany

16:30-16:45	Tunable release of dendritic fullerene-1 modulated by an electric field across a nanochannel membrane G. Bruno , T. Geninatti , R. L. Hood, D. Fine, G. Scorrano, J. Schmulen, S. Hosali, M. Ferrari and A. Grattoni	Mr Giacomo Bruno , Houston Methodist Research Institute - USA
16:45-17:00	Preparation of Hydrolysable Biocompatible Polymersomes for Drug Delivery A. Azran-Gefen and H. Bianco-Peled	Mrs Gefen-Azran Adi , Technion-Israel Institute of Technology - Israel .
17:00-17:15	Enhanced permeability through the blood-brain barrier using targeted solid lipid nanoparticles for brain drug delivery	Ms Joana F. Queiroz , University of Porto - Portugal

	J.F. Queiroz , A.R. Neves, S.A. Costa Lima and S. Reis	
17:15-17:30	Design of Magnetic Molecularly Imprinted Polymer for Controlled Release of Doxorubicin under Alternative Magnetic Field. N. Griffete , J. Fresnais, A. Bée and C. Ménager	Dr Nebewia Griffete , Pierre et Marie Curie University - France
17:30-17:45	BioConjugated Gold Nanoparticles for Enhanced Delivery and Cellular Uptakes K. Rahme , J. Guo, C. M. O'Driscoll and J. D. Holmes	Dr Kamil Rahme , Notre Dame University - Lebanon
17:45-18:00	Prednisolone-loaded pH-sensitive liposomes as an active targeting strategy for rheumatoid arthritis V.M. Gouveia , S. Lima, C. Nunes and S. Reis	Ms Virgínia M. Gouveia , University of Porto - Portugal
18:00-18:15	Rapid nanoformulation and cGMP preparation of antiretroviral drugs for oral HIV nanomedicine and human clinical dosing studies M. Giardiello , T. O. McDonald, P. Martin, N. Liptrott, M. Siccardi, A. Owen and S. Rannard	Dr Marco Giardiello , University of Liverpool - United Kingdom
18:15-18:30	Combined PTT & PDT cancer therapies mediated by hybrid carbon nanotubes and assessment of ultrasound elastography for monitoring tumor treatment I Marangon , A Andriola Silva, C Menard-Moyon, G Renault, N Luciani, A Bianco and F Gazeau	Ms Iris Marangon , Paris Diderot University - France

16 June 2015

Session IV - B: Nanotech in Life Sciences and Medicine

Room 508

Session Chairs: Prof. Frederic Chaubet - France and Dr. Maria - Antonietta Buccheri - Italy

11:00-11:15	Penetration of mucoadhesive chitosan-dextran sulfate nanoparticles into the cornea W. Chaiyasan , W. Tiyaonchai, S.P. Srinivas, S. Praputbut and U. Kompella	Ms Wanachat Chaiyasan , Naresuan University - Thailand
11:15-11:30	Magnetic nanoprobes with anti-HER2 single chain antibody fragments for active targeting of breast and ovarian cancers C. Alric , K. Hervé Aubert, N. Aubrey, E. Allard-Vannier, A. Di Tommaso, I. Dimier-Poisson and I. Chourpa	Dr Christophe Alric , University of Tours - France
11:30-11:45	Cellulose Nanocapsules of Metoprolol and its Metabolites Produced as New Products in Pharmaceuticals Recycling Processes G.D. Souza , D.H.E. Schiavon, C.B. Pelizaro and G.B. Teixeira	Dr Gezimar Souza , Accert Chemistry and Biotechnology.Inc - Brazil
11:45-12:00	pH/temperature and Magnetic Field Responsive Doxorubicin Loaded NIPA Coated Superparamagnetic Nanoparticles for Targeted Cancer Therapy R. Khodadust , Y. Yar and H. Yagci	Dr Rouhollah Khodadust , Koc University - Turkey
12:00-12:15	Targeted polyethylene glycol gold nanoparticles for the treatment of pancreatic cancer: from synthesis to a proof-of-concept in vitro studies J. Spadavecchia , D. Movia, H. Moustou, C. Moore, C.M. Maguire, S. Casale and A. Prina-Mello	Dr Jolanda Spadavecchia , Pierre et Marie Curie University/ CNRS - France
12:15-12:30	Oral insulin delivery and biodistribution of biopolymers-based nanoparticles M.A. Lopes , D. Aniceto, R. Seica, F. Veiga and A.J. Ribeiro	Ms Marlene A. Lopes , Faculty of Pharmacy of University of Coimbra - Portugal
12:30-14:00	Lunch Break + Exhibition + Poster session II	

Session IV-B: Nanotech in Life Sciences and Medicine

Room 508

Session Chairs: Prof Frederic Chaubet - France, Dr Maria-Antonietta Buccheri - Italy and Prof Vladimir Torchilin, USA

14:00-14:15	IONCs: a versatile tool for hyperthermia, imaging and controlled drug delivery M.E. Materia , P. Guardia, H. Kakwere, A. Sathya, M. Pernia, S. Nitti, G. Pugliese, L. Manna and T. Pellegrino	Dr Maria Elena Materia , Fondazione Istituto Italiano di Tecnologia - Italy
14:15-14:30	A Novel Wound Dressing Coated with Self-Assembling Peptide Nanofibrils as a Drug Carrier R. Alazragi and A. Aggeli	Mrs Reem Alazragi , University of Leeds - United Kingdom
14:30-14:45	Core-cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-large Cavity for Protein Delivery C. Xu	Mr Chun Xu , University of Queensland - Australia
14:45-15:00	Impact of the Polyethylenimine Conjugation Mode on the Cell Transfection Efficiency of Silica Nanovectors X. Wang , S. Masse, G. Laurent, C. Hélyary and T. Coradin	Ms Xiaolin Wang , Pierre et Marie Curie University - France
15:00-15:15	PEI – Starch Nanoparticles for siRNA based Gene Silencing Therapy for Cancer B.B. Kandemir , B. Özpolat, G.T. Köse and V. Hasırcı	Ms Berke Bilgenur Kandemir , Middle East Technical University, Ankara - Turkey
15:15-15:30	Synthesis of I-PEI and 2MPA Coated Biocompatible Silver Sulfide QDs as Transfection Vectors	Ms Didar Asik , Koc University-Istanbul - Turkey

	D. Asik ,F. Demir and H.Y. Acar	
15:30-15:45	The Role of Triblock Amphiphilic Copolymers for DNA Translocation Through Lipid Bilayers B. Rasolonjatovo, C.Huin , B.Pitard, J.Mathé, V.Bennevault-Celton, T.Le Gall, T.Montier, P.Lehn, H.Chéradame and P.Guégan	Dr Cecile Huin , University of Evry - France
15:45-16:00	Synthesis and Characterization of Folate-Targeted Poly(ethylene glycol) Coated Cationic Ag ₂ S QDs for Tumor Targeted Gene Delivery F. Demir , R. Khodadust, D. Asik and H. Yagci Acar	Mrs Fatma Demir Duman , Koc University, Istanbul- Turkey
16:00-16:30 Coffee Break + Exhibition + Posters session II		
Session Chairs: Prof Frederic Chaubet - France, Dr Maria-Antonietta Buccheri - Italy and Prof Vladimir Torchilin - USA		
16:30-16:45	A Systemic Approach For Manipulating Geometries Of Nano Gold And Nano Silver in Synthesis for Controlling Vector Borne Diseases S. Prakash	Prof Soam Prakash , Dayalbagh Educational Institute, Dayalbagh - India
16:45-17:00	Influence of TiO ₂ and Al ₂ O ₃ Addition on Mechanical Properties of Dental Zirconia O. Agac , A. Ozturk and J. Park	Ms Ozlem Agac , ATILIM University, Ankara - Turkey
17:00-17:15	Piezoresistive Strain Sensing Characteristics of Nano-carbon Composites G. R. Choi, H. K. Park, H. Huh, K. T. Lim, B. K. Choi, S. Y. Kim and I. Kang	Prof Inpil Kang , National University Busan - Republic of Korea
17:15-17:30	Plasmonic nanoparticle interaction with cell for photoacoustic cancer imaging M. Ishihara , T. Hirasawa, R. Sato and T. Teranishi	Prof Miya Ishihara , National Defense Medical College, Tokorozawa - Japan
17:30-17:45	Novel hybrid nanoparticles using upconversion luminescence for in vivo imaging N. Francolon , F. Leccia, E. Jouberton, D. Boyer, I. Miladi, Delphine Felder-Flesch, Sylvie Begin-Colin, L. Morel, E. Miot-Noirault, J-M. Chezal and R.Mahiou	Ms Nadege Francolon , Chemistry Institute of Clermont Ferrand - France
17:45-18:00	Efficient and Spatial-Selection Delivery of Quantum Dots in Live Cells by Gold Nanoparticle Medicated Photoporation R. Xiong , J. Demeestera, S. C. De Smedta and K. Braeckmans	Mr Ranhua Xiong , Ghent University - Belgium .
18:00-18:15	Specificity and Sensitivity comparative study between phage PVP-S1 and monoclonal antibody as receptor in polydiacetylene vesicles for Salmonella colorimetric detection T.V. de Oliveira , N. de F.F.Souares, C.M. Carvalho, J. S. dos R. Coimbra, N. J. de Andrade, J. Azeredo, E. A. A. Medeiros and P. P. Freitas	Dr Taíla Oliveira , Federal University of Viçosa - Brazil
18:15-18:30	Nanoarchitectonics with Lipid and DNA Building Blocks: In situ Millisecond Time-Resolved SAXS Investigation B. Angelov, A. Angelova , M. Drechsler and S. Lesieur	Dr Angelina Angelova , CNRS UMR8612 Galien Institute- Paris Sud University- France

16 June 2015

Session IV-C: Nanotech in Life Sciences and Medicine

Room 561

Session Chairs: Prof. Patrick Boisseau - France and Prof. Magnus Nyden - Australia

11:00-11:15	A New Generation of Flower-Like Nanobiocatalyst for Superior Enzymatic Activity I. Ocsoy , N. Özdemir and B. Somturk	Dr Ismail Ocsoy Erciyes University - Turkey
11:15-11:30	Porous nanoparticles entrapped pipette tips for sensitive detection of bio-molecules C. Lei	Ms Chang Lei , University of Queensland - Australia
11:30-11:45	Ultrasensitive magnetic particles/DNAzymes based biosensors for clinical applications. S. Persano , G. Vecchio, P. Valentini and P.P.Pompa	Mr Stefano Persano , Istituto Italiano di Tecnologia - Italy .
11:45-12:00	Immobilization of pyranose 2---oxidase onto functionalized electrospun regenerated cellulose ultrafine fibers: anovel heterogeneous catalyst W. Panatdasirisuk , T. Vongsetskul, J. Sucharitakul, P. Chaiyen and P. Tangboriboonrat	Ms Weerapha Panatdasirisuk , Mahidol University, Bangkok - Thailand
12:00-12:15	Ultra-sensitive Silicon Nanowires for hormone detection R. S. Forsyth , R. M. Bigham, M. A. Mohd Azmi, Z. Tehrani, K. A. D. Walker and O. J. Guy.	Ms Rhiannan Forsyth , Swansea University - United Kingdom
12:15-12:30	Blocking Viral DNA Replication by Employing a Resonance Frequency Generated by Ag ₄ O ₄ — A Real World Solution. L. Mack	Dr Leigh Mack , CIMTESES Foundation - USA
12:30-12:45	Synthesis and cytocompatibility of functionalized multiwalled carbon nanotubes derivatives A.A. Haroun	Prof Ahmed A. Haroun , National Research Center, Cairo - Egypt
12:30-14:00 Lunch Break + Exhibition+ Poster session II		

Session IV - C: Nanotech in Life Sciences and Medicine

Room 561

Session Chairs: Prof Patrick Boisseau - France and Prof Magnus Nyden - Australia

14:00-14:15	Development of high sensitive devices using optical tweezers and diamond nanocrystals J.R. Maze , N. Figueroa, R. Gonzalez, N. Casanova, V. Waselowski, F. Sazunic, A. Chandía, F. Morales, L. Martinez, C. Wilson, A. Álvarez and M. Kogan	Prof Jeronimo Maze , Pontificia universidad Catolica - Chile
14:15-14:30	Versatile and easy to fabricate advanced surfaces to enhance the performance of DNA microarray detection M.J. Bañuls , D. González-Lucas, R. Puchades and A. Maquieira	Dr Maria-Jose Bañuls Politechnic University Valencia - Spain
14:30-14:45	DNA detection using Si-nanosandwich A. Chernev , N. Bagraev, L. Klyachkin, A. Emelyanov and M. Dubina	Mr Andrew Chernev , St. Petersburg Academic University - Russia
14:45-15:00	DNA Sensing at femtomolar level using microfluidic electro-chemical cell: advantages of carbon-based transducers B. Zribi, H. Korri-Youssoufi, A. Ouerghi, A. Cavanna, A. Madouri and A-M Haghiri-Gosnet	Dr Anne-Marie Haghiri-Gosnet , LPN / CNRS- Marcoussis - France
15:00-15:15	Selection of peptide motifs for the detection of small molecules in biotechnological applications C. Di Natale , C. Cosenza, P.L. Scognamiglio, E. Battista, F. Causa and P.A. Netti	Ms Concetta Di Natale , University of Naples - Italy .
15:15-15:30	Covalent functionalization of SWNT with ciprofloxacin for enhancing its antibacterial activity M. Assali , F. Abdallah, R. Khayyat and A.N. Zaid	Dr Mohyeddin Assali , An Najah National University - Palestine
15:30-15:45	High-aspect ratio nanostructures for cellular applications N. Buch-Månson, S. Bonde, K.R. Rostgaard, J. Bolinsson, J. Nygård and K.L. Martinez	Prof Karen Martinez , University of Copenhagen - Denmark
15:45-16:00	A Development of Microstrip Patch Antenna with Graphene and Titanium Dioxide For Orthopaedic Implants N. Fugto , S. Chaisiri, R. Kaewon and S. Sirivisoot	Mr Nateetorn Fugto , King Mongkut's University of Technology Thonburi - Thailand
16:00-16:30	Coffee Break + Exhibition+ Posters session II	
Session Chairs: Prof Steve Rannard - United Kingdom and Prof Magnus Nyden - Australia		
16:30-16:45	Nanoscale Modification of Natural Cell-derived Matrices for Tissue Engineering Applications M.P. Hwang , R. Subbiah and K. Park	Mr Mintai Hwang , Korea Institute of Science and Technology, Seoul – Rep. of Korea
16:45-17:00	Modular Assembly Gadolinium-Coated Nanoliposomes Enabling Detection of Ischemic Vasculature C. Smith, S. Zimmerman, Sanjay Misra and H. Kong	Prof Hyunjoon Kong , University of Illinois at Urbana-Champaign - USA
17:00-17:15	Pluronic F127 coated superparamagnetic nanoparticles for Human Umbilical Vein Endothelial Cell tracking via magnetic resonance imaging B. Argibay , R. Iglesias, M. Pérez-Mato, T. Sobrino, A. Beiras, J. Rivas, U. Himmelreich, J. Castillo, F. Campos	Mrs Barbara Argibay Gonzalez , Health Research Institute of Santiago de Compostela (IDIS), University Clinical Hospital Hospital - Spain
17:15-17:30	Preparation, Biological Activity and Mechanism of Action of Ag and AgBr Nanoparticles P. Suchomel , L. Kvittek, A. Panacek, R. Prucek, J. Hrbac, R. Vecerova and R. Zboril	Mr Petr Suchomel , Palacky University, Olomouc - Czech Republic
17:30-17:45	Preparation of Novel Selenium Nanoparticles with Strong In Vitro and In Vivo Anti-cancer Efficacy Using Tiger Milk Mushroom K-H. Wong	Dr Ka-Hing Wong , The Hong Kong Polytechnic University - Hong Kong
17:45-18:00	Conductive polypyrrole: a promising interface for attachment and proliferation of mammalian cells A.E. Fernández-Duke, B.E. Millán-Chiu, C. Arenas-Arrocena and L.M. López-Marín	Dr Luz M. López-Marín , Universidad Nacional Autonoma de Mexico - Mexico
18:00-18:15	An In Vitro Study of Osteoblast Behaviors on Graphene Oxide Electrodeposited on Anodized Titanium P. Tanurat and S. Sirivisoot	Ms Pacharaporn Tanurat , King Mongkut's University of Technology Thonburi - Thailand
18:15-18:30	STM Imaging of Yellow Fluorescent Protein under Ambient Condition H.M. Yusoff , I.I. Rzeznicka, H. Hoshi, S. Kajimoto, N.N. Horimoto, K. Sogawa and H. Fukumura	Dr Hanis Mohd Yusoff , Malaysia Terengganu University - Malaysia .

16 June 2015

NanoMatEn2015 : Nanotech for Energy and Environment

Room 115/116

Session Chairs : Prof Roger Newman - Canada, Dr Sofoklis Makridis - Greece and Prof James Hill - Australia

11:00-11:15	Nanoparticles-based Plasmonic Organic Photovoltaic Devices for Enhanced Performance and Stability G. Kakavelakis, M. Krassas, M.M. Stylianakis, N. Vaenas, K. Savva, E. Stratakis and E. Kymakis	Prof Emmanuel Kymakis , Technological Education-al Institute (TEI) of Crete - Greece
11:00-11:30	Effect of halide-mixing on the electronic transmission in organometallic perovskites G. Berdiyrov , M. El-Amine Madjet, Fedwa El-Mellouhi, F. H. Alharbi and S. Kais	Dr Golibjon Berdiyrov , Qatar Environment and Energy Research Institute - Qatar Foundation - Qatar
11:00-11:45	One-pot Fabrication of Nb-doped TiO ₂ Photoanode for Dye-sensitized Solar Cells Y-T. Huang , Y-H. Chang, P. Zhai, N.Y. Hau and S-P. Feng	Ms Yu Ting Huang , University of Hong Kong - Hong Kong
11:45-12:00	Highly stable carbon nanofluids for solar thermal collectors S. Mesgari , N. Hjerrild and R. A. Taylor	Dr Sara Mesgari Hagh , University of New South Wales - Australia
12:00-12:15	Perovskite Solar Cell Modules built on Vertical TiO ₂ Nanorods with High Efficiency and Stability A. Fakharuddin, F. Di Giacomo, F. Matteocci, A.L. Palma, I. Ahmed, A. Di Carlo, T.M. Brown and R. Jose	Prof Rajan Jose , Malaysia Pahang University - Malaysia
12:15-12:30	The Development of Alumina Nanofluids-based ferro/ferricyanide Electrolyte and their Applications on Thermogalvanic Cells C. Liu and S-P. Feng	Ms Chang Liu , University of Hong Kong - Hong Kong .
12:30-12:45	Soft, Compressible and Interdigitated 3D Energy Storage Devices Built by Layer-by-Layer Assembly Inside Aerogels A. Marais , G. Nyström, E. Karabulut, L. Wågberg, Y.Cui and M. Hamedi	Mr Andrew Marais , Royal Institute of Technology KTH - Stockholm - Sweden
12:45-13:00	Numerical study of MAXI ₃ (X=Pb, Sn) perovskite based hetero-junction solar cells M. Guo and G. Shao	Prof Guosheng Shao , University of Bolton - United Kingdom
12:30-14:00	Lunch Break + Exhibition + Poster session II	

14:00-18:00	Workshop: Towards Horizon 2020 call priorities & funding for Micro/Nano-enabling Technologies	
Room 115/116		
Speakers and Moderators:		
<ul style="list-style-type: none"> • Susan ANSON (Karlsruher Institut für Technologie, Germany) • Adrien BRUNET (Karlsruher Institut für Technologie, Germany) • Jérôme GAVILLET (Commissariat à l'Energie Atomique et aux Energies Renouvelables, France) • Helmut LOIBL (Fotec, Austria) • Lionel TENCHINE (Pôle Européen de Plasturgie, France) • Todor Stefanov PETROV (University of Birmingham, United Kingdom) 		
Welcome and Introduction about the 4M2020 initiative		14:00 - 14:30
4M2020 outline and intermediate results		14:00 - 14:15
Key Enabling Technologies (KETs) in advanced manufacturing - Nanotechnologies		14:15 - 14:30
Workshop Introduction and Sessions		14:30 – 17 :45 Including 30 mins coffee break
Session 1 - Review and ranking of topics and products of high impacts for EU		
Session 2 - Key technologies and value chains		
Session 3 - Technical and non-technical bottlenecks		
Debriefing, Conclusion and Next Steps		17:45 - 18:00
Networking Cocktail		18:00 - 19:30

17 June 2015

Session IV-D: Nanotech in Life Sciences and Medicine / Nanosafety

Room 511

Session chairs: Prof Karen Martinez- Denmark / Prof Hyunjoon Kong-USA

08:30-09:15	Nano- and Microfabricated Hydrogels for Regenerative Engineering Ali Khademhosseini	Prof. Ali Khademhosseini , Harvard-MIT's Division of Health Sciences and Technology (HST) / Brigham and Women's Hospital / Harvard Medical School - USA
09:15-09:30	SEEC Microscopy : An innovative optical technique for the live and label-free study of a enzymatic reaction in liquid A.Egea, N.Médard , M.Métivier and C.Vieu	Dr Nicolas Médard , Nanolane-Le Mans - France
09:30-09:45	Fe ₃ -δO ₄ nanoparticles inhibit Clostridium difficile spore germination: an in vitro and in vivo study W-T. Lee, S-R. Wu, Y-N. Wu, Y-H. Chen, C-S. Yeh, P-J. Tsai and D-B. Shieh	Prof Dar-Bin Shieh , National Cheng Kung University - Taiwan
09:45-10:00	Biocompatibility of nano-vesicles derived from microbial cells: an assessment towards vaccine applications B.E. Millán-Chiu , A.O. Tinoco-Martínez, V.D. Compeán-García and L.M. López-Marín	Dr Blanca.E. Millán-Chiu , Universidad Nacional Autonoma de Mexico - Mexico
10:00-10:15	Identification of critical Monte Carlo simulation parameters in nanoparticles radiosensitization P. Retif, T. Bastogne and M. Barberi-Heyob	Prof Thierry Bastogne , University of Lorraine - France .
10:15-10:30	The spread of multi-wall carbon nanotubes to the room air as a result of their mixing in the fume hood E. Jankowska, T. Jankowski, W. Zatorski and P. Sobiech	Dr Elzbieta Jankowska , Central Institute for Labour Protection - Poland
10:30-11:00	Coffee Break + Exhibition	
11:00-11:15	The DaNa2.0 Knowledge Base Nanomaterials quality-approved and easy-to-understand information on current nanosafety research C. Marquardt , H.F. Krug, D. Kuehnel, F. Paul, C. Steinbach and K. Nau	Dr Clarissa Marquardt , Karlsruhe Institute of Technology (KIT) - Germany
11:15-11:30	In vitro study of lung surfactant-nanoparticle interactions for evaluating nanotoxicity P. Lai , W. Daear, M. Anikovskiy, R. Loebenberg and E.J. Prenner	Mr Patrick Lai , University of Calgary - Canada
11:30-11:45	Effect of Gold Nanoparticle Shape of Cellular Uptake and Toxicity C. Carnovale , V. Bansal, R. Shukla and G.Bryant	Mrs Catherine Carnovale , Royal Melbourne Institute of Technology - Australia
11:45-12:00	Genotoxicity and Mutagenicity Screening of Engineered Nanomaterials: G. Vecchio , M. Fenech, P.P. Pompa and N. Voelcker	Dr Giuseppe Vecchio , Istituto Italiano di Tecnologia - Italy
12:00-12:15	Impact of ageing and protein remediation in the life-cycle of metal oxide nanoparticles in the organism J. Volatron , F. Carn, M. Hemadi, Y. Javed, D. Alloyeau and F. Gazeau	Ms Jeanne Volatron , Paris Diderot University - France
12:15-12:30	Size and morphology dependence of gold nanorods and gold nanospheres in the nanotoxicological process: in vitro, in vivo and membrane models studies J. Cancino , P.M.P. Lins, V.S. Marangoni, J.C.F. Besson, M.E.C. Cancino, M.R.M. Natali and V. Zucolotto	Dr Juliana Cancino-Bernardi , University of São Paulo - Brazil .
11:30-14:00	Networking cocktail	

17 June 2015

NanoMatEn2015 : Nanotech for Energy and Environment

Room 412/413

Session chairs: Prof Rajan Jose – Malaysia, Dr Sofoklis Makridis- Greece and Prof Guosheng Shao – United Kingdom

8:30-8:45	Stability of organic solar cells using composites materials of inorganic nanostructures and polymers for efficient organic photovoltaics: time-resolved structural/morphological studies B. Paci , A. Generosi, M. Guaragno, V. Rossi Albertini, E. Stratakis and E. Kymakis	Dr Barbara Paci , ISM-CNR - Italy
8:45-9:00	Understanding Lithium solvation in ionic liquids from first principles molecular dynamics simulations A. Kachmar and M. Carignano	Dr Ali Kachmar , Qatar Environment and Energy Research Institute- Qatar Foundation - Qatar
9:00-9:15	Nanomaterials Impacts Across the Life Cycle: Case Study LCA on Organic Photovoltaic Solar Cells M. Tsang, G. Sonnemann, D. Bassani and P. Garrigues	Mr Philippe Garrigues , University of Bordeaux-CNRS - France
9:15-9:30	Sol-gel complex synthesis of biphasic anatase-brookite photocatalysts for hydrogen production J. Drbohlavova , V. Kasperek, K. Castkova, M. Kralova and J. Cihlar	Dr Jana Drbohlavova , Brno University of Technology - Czech Republic
9:30-9:45	Oxygen Electroreduction on Platinum Nanoparticles Deposited on D-glucose Derived Carbon M. Taleb	Mr Masoud Taleb , Tallinn University of Technology - Estonia
9:45-10:00	Fabrication of heterostructure between Tin oxides and TiO ₂ nanobelts for application in photocatalysis and gas sensing H. Liu and G. Chen	Mr Guohui Chen , Shandong University- China
10:00-10:15	Efficient and Stable Photo electrochemical Water-oxidation Performance of ZnO NRs with Ultrathin Cobalt Layer N.K. Reddy , S. Wahl, P. Bogdanoff and N. Pinna	Dr Nandanapalli Koteeswara Reddy , Humboldt University - Germany
10:15-10:30	New sensor for direct detection of pesticides in water by Raman spectroscopy coupled with enzymatic functionalized nanoparticles. A. El Alami , F. Lagarde, B. Mimouna and P. Daniel	Ms Amal ALAMI , Maine University, Le Mans - France
10:30-11:00 Coffee Break + Exhibition		
11:00-11:15	Graphene Coating and Nanocrystalline Alloy Structure: Novel Approaches for Remarkable Corrosion Resistance R.K. Singh Raman	Prof Raman Singh , Monash University - Australia
11:15-11:30	Characterization and application of multicomponent nanoparticles in the immobilization of heavy metals from water and liquid and solid mining tailings L. Cumbal , C. Bastidas and D. Delgado	Prof Luis Cumbal , Universidad de las Fuerzas Armadas - Ecuador
11:30-11:45	Characterization of Nanosized Metallic Sulfide Catalysts Obtained by Thermal Decomposition of Nanoemulsions A.M. Quesada Perez , S. Omani, A. Katrib and A. Bumajdad	Dr Andres M. Quesada Perez , Kuwait Institute for Scientific Research - Kuwait.
11:45-12:00	Surface Functionalization of TiO ₂ Nanoparticle and its Application for Biodiesel Production from Locally Sourced Used Cooking Oil J. Gardy , A. Hassanpour, X. Lai and M. Ahmed	Mr Jabbar Gardy , University of Leeds - United Kingdom.
12:00-12:15	Photopolymerization of Water-Soluble Acrylic Monomers Induced by PbS and CdS Nanoparticles Y. Yar , E. Buz and H. Yagci Acar	Ms Yasemin Yar , Koc University- Istanbul - Turkey
12:15-12:30	Design and synthesis of copper chalcogenide nanostructures for energy conversion and storage X. Chen , C. Han, Z. Li and S. Dou	Mrs Xinqi Chen , University of Wollongong- Australia
12:30-12:45	Reduced Carrier Recombination in PbS - CuInS ₂ Quantum Dot Solar Cells Z. Sun, G. Sitbon, T. Pons, A.A. Bakulin and Z. Chen	Dr Zhuoying Chen , ESPCI-ParisTech/CNRS/UPMC - France
11:30-14:00 Networking Cocktail		

17 June 2015

Session V: Other Nanoapplications

Room 508

Session Chairs: Prof Thierry Bastogne – France, Prof. Nathalie Mignet - France and Prof Raman Singh – Australia

8:30-9:00	Nanotechnology in Food Packaging Industry: Opportunities and Challenges V. Teixeira	Prof Vasco Teixeira, University of Minho - Portugal
9:00-9:15	Nanotechnology: Promises and challenges for future Akbar S. Khan	Dr. Akbar S. Khan, Defense Threat Reduction Agency-Virginia- USA
9:15-9:30	Antimicrobial properties of graphene oxide and reduced graphene oxide M. A. Buccheri, S. Scalese, D. D'Angelo, F. Spanò, G. Compagnini, G. Rappazzo and V. Privitera	Dr Maria-Antonietta Buccheri, Consiglio Nazionale delle Ricerche (CNR) - Italy
9:30-9:45	Phosphonium Quat-Modified Nanoclays for In-Situ Polyester Nanocomposite Development: Optimisation of Modification for Particle Performance. B.J. Naden and L. Pilon	Dr Benjamin Naden, Pera Technology Ltd - United Kingdom
9:45-10:00	Efficient Design of Flexible and Low-cost Dual Band RFID inkjet printed antenna using silver nanoparticles ink A.M. Mansour, B.M. Hamza, N. Shehata and M. R. M. Rizk	Dr Nader Shehata, Alexandria University - Egypt
10:00-10:15	OD based resistive switching mechanism M. Paradinas, Z. Konstantinovic , S. Valencia, R. Abrudan, A. Pomar, F. Sandiumenge, L.I. Balcells, B. Martinez and C. Ocal	Dr Zorica Konstantinovic, Institut de Ciència de Materials de Barcelona, CSIC - Spain
10:15-10:30	Photocatalytic Silver/Silver Chloride Polymer Nanocomposites E. W. Tate and J. H. Johnston	Mr Eldon Tate, Victoria University of Wellington - New Zealand
10:30-11:00	Coffee Break + Exhibition	
11:00-11:15	Ammonia gas sensing properties of ZnO nanowires synthesized by thermal oxidation of Zn film B. Behera and S. Chandra	Prof Sudhir Chandra, Indian Institute of Technology, Delhi - India
11:15-11:30	Long-term corrosion protection by a nanocomposite thin PEA-TiO ₂ -HMDSO coating L. Ejenstam , M. Tuominen, J. Pan, A. Swerin and P.M. Claesson	Mrs Lina Ejenstam, KTH Royal Institute of Technology - Sweden
11:30-11:45	Branched Polymer Nanoreactors for Catalysis by Design V.O. Rodionov , K.V. Bukhryakov and C. Mugemana	Prof Valentin Rodionov, KAUST, Thuwal, Kingdom Saudi Arabia
11:45-12:00	Novel Nanogold Coloured Wool Textiles, Aulana®, for Luxury Markets J.H. Johnston and K.A. Lucas	Prof James Johnston, Victoria University of Wellington - New Zealand
12:00-12:15	Nanotechnology for more Efficient Sustainable Buildings R.B. Fouaad	Mr Ramy Fouaad, Alexandria University - Egypt
12:15-12:30	Dynamic and Static Fluid Loss Characteristics and Rheological Properties of Nano-Based Drilling Fluids Z. Vryzas , O. Mahmoud, H. Nasr-El-Din and V. C. Kelessidis	Mr Zisis Vryzas, Texas A&M University at Qatar - Qatar
12:30-12:45	Surface-Bound Ligands Modulate Chemoselectivity and Activity of a Bimetallic Nanoparticle Catalyst V.O. Rodionov, K.B. Vu and K.V. Bukhryakov	Dr Khanh B. Vu, KAUST, Thuwal - Kingdom of Saudi Arabia
12:45-13:00	Effects of Nanotechnology Materials on Architectural Design- Applications, Possibilities and Future Trends N.K.Parthenopoulou and M.Malindretos	Mrs Nikoleta Parthenopoulou, Aristotle University of Thessaloniki - Greece
13:00-13:15	Synthesis, Characterization and Catalytic Performance of Supported Nickel Nanoparticles in Methane Steam Reforming M.J. Al-Marri, S. Ali and M. M. Khader	Dr Sardar Ali, Qatar University - Qatar
11:30-14:00	Networking cocktail	

N.	Title	Author/Affiliation/Country
1	One-step preparation of amylose and β -carotene nanoparticle inclusion microbeads using amylosucrase from <i>Deinococcus geothermalis</i> C.A. Letona , M-C. Lim and Y-R. Kim	Mr Andres Letona , Kyung Hee University – Rep. of Korea
2	Encapsulation of water molecules in cyclic peptide nanotube P. Tiangtrong , N. Thamwattana and D. Baowan	Ms Prangsai Tiangtrong , Mahidol University, Bangkok - Thailand
3	PDMS Surface Property Study and Sol-gel Modification Methods for the Immobilization of Unstable Enzyme H. Bi , A. C. Fernandes, F. Cardoso, M. Brito, S.I. Pinheiro Cardoso and P. Freitas	Dr Hongyan Bi , International Iberian Nanotechnology Laboratory - Portugal
4	New Methods for Creating Nanocomposites Based on Carbon Nanotubes and Graphene Nanoplatelets E.A. Burakova , A.V. Gerasimova, A.V. Melezhyk, A.G. Tkachev	Dr Elena Burakova , Tambov State Technical University, Tambov, Russian Federation
5	Preparation of Polybutadiene-Silica Nanoparticles via Differential Microemulsion Polymerization and their Hydrogenated Nanoparticles by Diimide Reduction T. Tanchareernrat , G. L. Rempel and P. Prasassarakich	Ms Thanyaporn Tanchareernrat , Chulalongkorn University - Thailand
6	Construction Copper-Based (I) Superstructures via Recrystallization Y. Shang , L. Guo and G. Y. Shang	Dr Yang Shang , Beihang University-Beijing - China
7	Bio-reduction of Graphene Oxide by Natural Products E. Ozturk , S. Şimsek and B. Ozbek	Ms Elif Ozturk , Yildiz Technical University - Turkey
8	Simple Synthesis of Magnetic Nanoparticles for same shape and size without Size separation H.Y. Noh , Y.J. Eom, M. Abbas and C.G. Kim	Mr Heeyoon Noh , Daegu Gyungbuk Institute of Science and Technology - Rep. of Korea
9	Acid hydrolysis to improve the production of Bacterial Cellulose Nanocrystals P. Paximada, E.A. Dimitrakopoulou, C. Fasseas and I. Mandala	Dr Ioanna Mandala , Agricultural University of Athens - Greece
10	High Pressure Laminates containing Fluorinated Polyhedral Oligomeric Silsesquioxanes S. Magina , D. Evtuguin, I. Portugal, J. Ferra and P. Cruz	Mrs Sandra Magina , CICECO - University of Aveiro, Portugal
11	Green Synthesis of Gold Nanoparticles by Using <i>Peltophorum pterocarpum</i> Flower Extracts M. Balamurugan, S. Kaushik and S. Saravanan	Prof Saravanan Shanmugam , Sona College of Technology - India
12	Stabilization metal nanoparticles by crown compounds with amine and hydroxyl groups in macrocyclic ring and studying their properties A.L. Shabanov, A.M. Maharramov, Z.O. Gakhramanova, M.A. Ramazanov, U.A. Hasanova , L.Z. Vezirova and F.V. Hajiyeva	Prof Ulviyya Hasanova , Baku State University - Azerbaijan
13	Novel Fractal Metamaterial subwavelength structure for sensors application Y Trabelsi , H Alkorre, J Stiens, M Kanzari and R Vouncks	Mr Youssef Trabelsi , National Engineering School of Tunisia (ENIT) - Tunisia
14	Combined Mechanical Disorder – Reactive Synthesis, Possible Method of Bulk Nanocrystalline Intermetallics Obtaining R.L. Orban , A. Lawley and M. Orban	Prof Radu Liviu Orban , Technical University of Cluj-Napoca - Romania
15	Effect of blending ratio of polymer layer on structural properties of polymer-coated mesoporous silica nanoparticles Ş. Ünal and B. Özbek	Ms Sule Unal , Yildiz Technical University - Turkey .
16	Targetting and Applications of Magnetic Nanoparticles P. Taparia and S. Jindal	Mr Srijan Jindal , Indian Institute of Technology, Roorkee - India
17	InxGa1-xN/GaN QDs by coaxial growth on non-polar n-GaN NW J.H. Park, J.K. Sim, D.Y. Um, T.S. Jang, D.S. Lee and C.R. Lee	Ms Da som Lee , Chonbuk National University - Republic of Korea
18	The Effect Of Assembly Conditions and Nanoparticle Conditions on Size, Morphology and Polydispersity Of Magnetic Nanoparticle Clusters S.M. Martyn and D.F. Brougham	Ms Sarah Martyn , Dublin City University - Ireland
19	Polyurethane/GO Nanocomposites and Vapor Barrier properties E. Yoo , K. Shim and H. Huh	Mr Eunsung Yoo , Korea Institute of Industrial Technology, Seoul – Rep. of Korea
20	Fabrication of Electrospun Polyvinyl Alcohol / Polysaccharide Composite Nanofibers and their Prebiotic and Antibacterial Activities W. Wahbi , R. Siam and W. Mamdouh	Mrs Walaa Wahbi , The American University in Cairo - Egypt
21	Efficiency improvement in Dye Sensitized Solar Cells by Plasmonic effect of green synthesized Silver Nanoparticles S. Saravanan , R. Kato, M. Balamurugan, S. Kaushik and T. Soga	Prof Saravanan Shanmugam , Sona College of Technology - India
22	Obtention of Spirulina nanoparticles by mechanical milling E.E. Neri-Torres, J.J. Chanona-Pérez , S. Cárdenas-Pérez, M.Q. Marín-Bustamante, R.G. Cásarez-Santiago, H. Calderón-Benavides, G. Chamorro-Cevallos and E. Suárez-Najera	Mr Jorge Chanona , Polytechnic National Institute - Mexico
23	The influence of removal of stabiliser on the selective oxidation of cycloalkenes using supported gold nanoparticles Hamed Alshammari , Peter J. Miedziak and Graham J. Hutchings	Dr Hamed Alshammari , Ha'il University - Saudi Arabia

Posters Session I - B: Nanomaterials Characterization / Properties and Tools

N.	Title	Author/Affiliation/Country
1	Study of chirality by High Resolution Optical Microscope of Si-CNT Prepared by Plasma Sputtering without catalyst B.M. Mustafa , A.M. Ezzat and M.M. Uonis	Dr Bassam M. Mustafa , Mosul University, Mosul - Iraq
2	Gas-Generating Theranostic Nanoparticles for Ultrasound Imaging and Photodynamic Therapy D. J. Park, K. H. Min and S. C. Lee	Prof Sang Cheon Lee , Kyung Hee University-Seoul - Rep. of Korea
3	The application of ultrasonic spectroscopy to the study of the gelation and chain relaxation properties of dually crosslinked hydrogels K. Khouzami , C. Branca, C. Crupi, S. Rifici, G. Ruello, U. Wanderlingh and G. D'Angelo	Dr Khaoula Khouzami , Messina University - Italy
4	New challenges in TiO ₂ nanoparticle characterisation and separation by Flow Field Fractionation J. Omar , A. Boix, C. von Holst	Dr Jone Omar , EC-JRC-IRMM - Belgium
5	Diamagnetism of Superparamagnetic Ni Nanoparticles Incapsulated in Carbon Shells A. Manukyan, A. Mirzakhanyan, H. Gyulasaryan , M. Farle and E. Sharoyan	Mr Harutyun Gyulasaryan , Institute for Physical Research of National Academy of Sciences - Armenia
6	Beryllium oxide nanowires and their optical properties for dosimetric applications E. Pajuste , G. Kizane, J. Prikulis and D. Erts	Dr Elina Pajuste , University of Latvia - Latvia
7	Computer microscopy of biological liquid dry patterns for medical diagnostics and modeling of their properties by dissipative dynamics methods P. Lebedev-Stepanov , M. Buzoverya, I. Shishpor and K. Vlasov	Dr Peter Lebedev-Stepanov , Photochemistry Center RAS - Russian Federation
8	Theoretical studies on electronic and magnetic properties of a two-dimensional Mn-Pc and Mn-TCNB monolayers M. Mabrouk and R. Hayn	Ms Manel Mabrouk , Aix-Marseille University/CNRS - France
9	Band Structure of ABA-Trilayer Graphene Superlattice un-der the Application of Periodic Kronig-Penney Type of Potential S. Uddin and K. S. Chan	Mr Salah Uddin , City University of Hong Kong - Hong Kong
10	Fabrication of transparent AZO/ZnO/ITO ReRAM devices and their switching characteristics depending on the deposition tem-perature of ZnO active layer K. Y. Kim , C. H. Cho, H. J. Kim, E. L. Shim and Y. J. Choi	Mr Kyu Young Kim , Sejong University, Seoul - Republic of Korea
11	Physico-chemical properties Fe-doped alumino-silicate nanotubes E. Bahadori , E. Shafia, S. Esposito, M. Armandi and B. Bonelli,	Ms Elnaz Bahadori , Politecnico di Torino - Italy
12	Nanostructured Polymer Matrix Composites for High Performace Engineering Applications T. Turcsán and L. Mészáros	Mr Tamas Turcsan , Budapest University of Technology and Economics - Hungary
13	Fatigue properties of basalt fiber and carbon nanotube reinforced hybridcomposites J. Szakács and L. Mészáros	Mr Jozsef Szakács , Budapest University of Technology and Economics - Hungary
14	The influence of redistribution ions in subphase at the properties langmuir monolayer A.S. Chumakov , A.V. Ermakov, V.P. Kim, I.A. Gorbachev and E.G. Glukhovskoy	Mr Aleksei Chumakov , Saratov State University - Russian Federation
15	Control possibility of separation surfactant from nanoparticles solution by Langmuir method K.I. Kosolapova , A.J.K. Al-Alwani and E.G. Glukhovskoy	Ms Kristina Kosolapova , Saratov State University - Russian Federation
16	Analyzing size dependence of thermal conductivity of suspended graphene with Null-Point Scanning Thermal Microscopy G. Hwang and O. Kwon	Prof Ohmyoung Kwon , Korea University-Seoul - Republic of Korea
17	Three---Arm Star Block---Copolymers: Enzyme---Inspired Catalysts for Oxidation of Alcohols in Water C. Mugemana , B.-T. Chen, K. V. Bukhryakov and V. Rodionov	Dr Clement Mugemana , KAUST - Kingdom of Saudi Arabia
18	Hydrophobic Material with Polymeric Shell G. Sugurbekova, A.Seralin , G.Demeuova and M.Baisariyev	Mr Aidar Seralin , Nazarbayev University - Kazakhstan
19	New Performances of Fluorescent Photosensitive Glass Ceramics for Petabyte Optical Disk 3D Written by Direct Laser Interaction S. I. Jinga , E. Pavel	Prof Sorin JINGA , "Politehnica" University of Bucharest - Romania
20	Iron Nanoparticles-Doped Water Treatment Residues for Arsenic Removal from Industrial Wastewater P. Sarntanayoot and A. Imyim	Dr Apichat Imyim , Chulalongkorn University-Bangkok - Thailand
21	Transfer and biotransformation of gold and silver nanoparticles through aquatic food chain X. Zhao , Qunfang Zhou and Guibin Jiang	Dr Xingchen Zhao , Chinese Academy of Sciences - China
22	Functionalization of textile materials by TiO ₂ /RGO composites to enhance the photocatalytic degradation of Rhodamine B under light irradiation V. Teixeira	Prof Vasco Teixeira , University of Minho - Portugal

23	Inkjet printed polymer functionalized CNT gas sensor with enhanced sensing properties A. S. Alshammari , M. R. Alenezi, K. T. Lai and S. R. P. Silva	Dr Abdullah Alshammari , University of Hail - Kingdom of Saudi Arabia
24	Nanoindentation and image characterization of apple tissue and isolated cells (<i>Malus domestica</i>) by means of atomic force microscope S. Cárdenas-Pérez , J.Chanona-Pérez, E.E. Neri-Torres, M.Q. Marín-Bustamante, R.G. Cásarez-Santiago, J.V. Méndez-Méndez, G. Calderón-Domínguez and E. Suárez-Najera	Ms Stefany Cardenas , Polytechnic National Institute - Mexico
25	The role of the glycocalyx in cellular interactions between lung carcinoma cells and the endothelium Katarzyna Malek-Zietek , Marta Targosz-Korecka and Marek Szymonski	Mrs Katarzyna Malek-Zietek , Jagiellonian University - Poland
26	Changes of the endothelium nano-mechanics in response to the vascular dysfunction – ex vivo studies for murine model of diabetes Magdalena Jaglarz , Katarzyna Malek-Zietek, Marta Targosz-Korecka, Stefan Chlopicki and Marek Szymonski	Mrs Magdalena Jaglarz , Jagiellonian University - Poland

N.	Title	Author/Affiliation/Country
1	Assessment of protein aggregates in the presence of nanoscale vaccine adjuvants. M.J.W. Johnston and G.E. Frahm.	Dr. Michael Johnston , Biologics and Genetic Therapies Directorate, Health Canada- Ottawa- Canada
2	Kiteplatin Delivery by Hydroxyapatite Nanocrystals for the Treatment of Cancer. N. Margiotta , M. Lelli, V. Gandin, C.Marzano, S. Merli, S.Savino,N. Roveri, J.D. Hoeschele and G. Natile	Prof. Nicola Margiotta , University of Bari Aldo Moro, Bari - Italy
3	Self Micro-Emulsifying Drug Delivery Systems (SMEDDS) of Clove Oil for Fish Anesthesia K. Janngoon , S. Pikulkaew, W. Chaisri and S. Okonogi	Ms Kantaporn Janngoon , Chiang Mai University, Chiang Mai - Thailand
4	Development and characterization of bovine serum albumin nanoparticles of amphotericin B D. B. Ludwig , L. S. Pedroso, N. M. Khalil and R. M. Mainardes	Mr Daniel Brustolin Ludwig , State University of Midwest - Brazil
5	Curcumin-loaded Bovine Serum Albumine Nanoparticles: Development and evaluation of stability and antioxidant activity. L. E. A. Camargo ,R. M. Mainardes and N. M. Khalil	Mrs Luciana Camargo , University of Midwest - Brazil
6	Silver Sub-nanometric Quantum Clusters as Potential Therapeutic Agents in Fight against Cancer J.M. Blanco , J. Calvo, E. Carbó Argibay, E.B. Alonso, F. Domínguez, M. A. López Quintela, and J. Rivasa,	Mr Jose Blanco , International Iberian Nanotechnology Laboratory - Portugal
7	Development of the nanoconjugate for liver fluke targeting A.G.Pershina , A.M.Demin, V.V.Ivanov, O.B. Shevelev, M.A. Uimin, K.V. Nevskaya, N.N. Shegoleva, A.S. Minin, A.E. Sazonov, V.P. Krasnov and L.M. Ogorodova	Dr Alexandra Pershina , Siberian State Medical University - Russian Federation
8	A Peptide-Based Drug Design to Overcome Major Challenges on Cancer Treatments A. Sanchez , A.D. Tinoco and L. Parham	Ms Annelis Sanchez , University of Puerto Rico - Puerto Rico
9	Superparamagnetic Iron Oxide Nanoparticles for Stem Cell Tracking by Magnetic Resonance Imaging N. Guldris , B. Argibay, Y.V. Kolen'ko, E. Carbó-Argibay, R. Iglesias, F.Campos, L.M. Salonen, M. Bañobre-López, J.Castillo and J. Rivas	Ms Noelia Guldris , International Iberian Nanotechnology Laboratory, Braga - Portugal
10	Phenylethyl Resorcinol in Niosomes for Cosmetic formulation J. Buruschat and T. Amnuakit	Ms Janejira Buruschat , Prince of Songkla University-Songkhla - Thailand
11	Nanostructured lipid carriers containing amazon natural lipids for the encapsulation of benzophenone-3 P.A. Lima and N. Durán	Ms Paula Lima , State University of Campinas (UNICAMP) - Brazil
12	Effect of phospholipid and ethanol concentrations on physical property of phenylethyl resorcinol loaded ethosome T. Limsuwan , P. Boonme and T. Amnuakit	Ms Tunyaluk Limsuwan , Prince of Songkla University - Thailand
13	Clove Oil Loaded Nanoemulsions for Fish Anesthesia S. Okonogi , K. Janngoon, W. Chaisri and S. Pikulkaew	Dr Siriporn Okonogi , Chiang Mai University, Chiang Mai - Thailand
14	Optimization of in vitro conditions to treat cancer with magnetic hyperthermia V. Vilas-Boas , B. Espiña, Y. Kolen'ko, M. Bañobre-Lopez, V. Martins and F. Carvalho	Ms Vania Vilas-Boas , International Iberian Nanotechnology Laboratory (INL) - Portugal
15	Effective VEGF Binding to Au Nanocrystals with {111} Facets J.H. Kim , D.H. Jo, J.W. Hong, S.W. Han and J.H. Kim	Prof Jeong Hun Kim , Seoul National University Hospital - Republic of Korea
16	Toxicological Aspects of Graphene Oxide on Gill Cells of Adult Zebrafish (Danio rerio) J. P. Souza , I. M. M. Paino, F. Santos, P. F. M. Nogueira and V. Zucolloto	Mrs Jaqueline Souza , University of São Paulo - Brazil
17	Effect of Particle Size on Oral Absorption, Tissue Distribution, and Excretion of Food Grade Titanium Dioxide and Silica Nanoparticles M-R. Jo and S-J. Choi	Ms Mi-Rae Jo , Seoul Women's University - Republic of Korea
18	Anti-angiogenic Effect of Gold and Silica Nanoparticles on Choroidal Neovascularization: Size Matters, Core does not J. H. Kim , D.H. Jo, Y. Piao, T.G. Lee, and J.H.Kim	Dr Jin Hyoung Kim , Seoul National University Hospital - Republic of Korea
19	Synthesis and surface modification of Fe ₃ O ₄ @SiO ₂ @Au NPs as theranostic agents for Nanomedicine applications. I. Monaco , N. T. Hong, E. Locatelli and M. Comes Franchini	Mrs Ilaria Monaco , University of Bologna - Italy
20	Interactions of Zinc Oxide Nanoparticles with Dispersants: Cytotoxicity, Uptake, and Pharmacokinetics S. J. Choi	Prof Soo-Jin Choi , University of Seoul Women's University - Republic of Korea
21	Transdermal resveratrol nanoethosomes; Preparation, Optimization; In-vitro, and In-vivo evaluation H. Aldawsari and K. Hosny	Dr Hibah Aldawsari , King Abdulaziz University, Jeddah - Kingdom of Saudi Arabia
22	Incorporation and release of gemcitabine prodrug in mesoporous silica nanoparticles G. Berlier, A. Malfanti, I. Miletto, E. Bottinelli, D. Zonari, G. Blandino, B. Stella and S. Arpicco	Dr Barbara Stella , University of Torino - Italy

23	Visual Analysis of Water permeability in Aquaporin Z incorporated Giant Unilamellar Vesicles J-H. Lee , H. Ryu, T-J. Jeon and Y-R. Kim	Ms Jun-Hee Lee , Kyunghee University - Republic of Korea
24	The production and the characterization of SPIO Nanoparticles for mediate tranfection of plasmid DNA Z. Fohlerová , D. Kovář and J. Hubálek	Dr Zdenka Fohlerova , CEITEC BUT - Czech Republic
25	Gold nanoparticle-based Immunoprecipitation (IP) sensor for Detection of Shiga toxin (Stx) from pathogenic Escherichia coli K-B. Jeong , J-H. Lee, M-C. Lim and Y-R. Kim	Mr Ki-Baek Jeong , Kyung Hee University, Yongin - Republic of Korea
26	Development of intelligent Drug Delivery Systems based on thermoresponsive gold nanoparticles A. Cortijo Martín , B. van Mele and G. Bruylants	Mrs Ana Cortijo Martín , Université libre de Bruxelles - Belgium
27	Development of a Mdm2 specific colorimetric biosensing platform using gold nanoparticles M. Retout , K. Bartik, Th. Doneux and G. Bruylants	Mr Maurice Retout , Université Libre de Bruxelles - Belgium
28	Enhanced Antibacterial Activity of Antibiotics in Combination with Silver Nanoparticles against Animal Bacteria M. Smekalova , V. Aragon, A. Panacek, L. Kvittek and R. Zboril	Ms Monika Smékalová , Palacky University in Olomouc - Czech Republic
29	The mechanisms for the radiosensitizing effects in high linear energy transfer radiation on colon cancer cells E.H. Kim , Y.K. Jeong, I. Cho, S.H. You, S.H. Cho and W-G. Jung	Prof Eun Ho Kim , Korea Institute of Radiological and Medical Sciences-Seoul- Rep. of Korea
30	Advantages and Obstacles of Using Microfluidic Based Immunoassay for the Detection of Cancer Biomarkers from Biofluids R. Khnouf , D. Karasneh, A. Elbetieha and B. Albiss	Dr Ruba Khnouf , Jordan University of Science and Technology, Irbid - Jordan
31	Efficient Encapsulation of Carboplatin Anticancer Molecule into Boron Nitride Nanotube : a Promising Drug Nanovector M. El Khalifi , E. Duverger, T. Gharbi, H. Boulhadour and F. Picaud	Dr Mohammed El Khalifi , Université Franche-Comté University, Besançon - France
32	Atomistic binding energy and Coarse grained simulation studies to understand the structure and drug release activity of Vancomycin loaded Lipid Polymer Nanoparticles (LPNs) S.B. Vepuri, N. Seedat, R. Kalhapure, C. Mocktar, M. Soliman and T. Govender	Prof Thirumala Govender , University of KwaZulu-Natal, Durban - South Africa
33	Reliability, Availability, Maintainability and Safety Analysis for the Development of a Nano-material Plant E. Davarpanah and A. Carpignano	Ms Elahe Davarpanah , Politecnico di Torino - Italy
34.	Development of Liposomal Nanocarriers for Near-Infrared Dye: Preparation and Physico-Chemical Characterization S. Koudelka , J. Masek, R. Mikulik and J. Turanek	Dr Stepan Koudelka , St. Anne's University Hospital Brno, Brno - Czech Republic
35	Improved Antimicrobial Activity of Electrospun Graphene-Chitosan/Gelatin Nanofibrous-Based Nanocomposite Scaf-folds I.H. Ali , A. Ouf, M.B. Taskin, J. Song, M. Dong, M. Chen, R. Siam and W. Mamdouh	Ms Isra H. Ali , The American University in Cairo- Egypt
36	Honey Chitosan Nanofibers Loaded With Natural Antimicrobials for Wound Dressing Applications W.A. Sarhan and H. M.E Azzazy	Mrs Wessam Sarhan , The American University in Cairo- Egypt
37	Doxorubicin loaded, pH-sensitive biodegradable naogels and their bio-evaluation P. Kumar , N. Yadav, A. Chhikara and M. Chopra	Mr Parveen Kumar , University of Delhi- India
38	Increasing the efficiency of anticancer therapies using mono-dispersed chitosan nanoparticles M.J. Masarudin , S.M. Cutts, D.R. Phillips and P.J. Pigram	Dr Mas Jaffri Masarudin , Putra University - Malaysia
39	siRNA and miRNA-basedSNAs to target canonical and non-canonical Bcl-2 signaling in glioblastomas A.Chalastanis , F.M.Kouri, S.A.Jensen, Lisa A.Hurley and A.H.Stegh	Dr Alexandra Chalastanis , Northwestern University- USA
40	Nanosensors and nanomaterials for biomedicine N.Casanova-M , B. Céspedes, M Cisternas, N. Figueroa, R Gonzáles, A. Chandia, C. Contreras, R Segura, P. Conejeros, F. Morales, M. Kogan, C.A.M. Wilson, M.Favre, H. Bhuyan, A.R Alvarez, S.A.Hevia and JR Maze	Dr Nathalie Casanova , Pontificia Universidad Catolica - Chile

16 June 2015
Posters Session II - B: Nanoelectronics

N.	Title	Author/Affiliation/Country
1	Nanoscale Photonic Humidity Sensor Based on the Fluorescence Lifetime of BODIPY Dye Molecules S. Acikgoz, H. Yungevis , M.N. Inci and A. Sanyal	Mr Hasan Yungevis , Karamanoğlu MehmetBey University - Turkey
2	Silicon Carbide Tunable MEMS Resonator with Wide Operation Range B. Svilicic , E. Mastropaolo and R. Cheung	Dr Boris Svilicic , University of Rijeka - Croatia
3	High Mobility Materials For the Channel of DG Mosfet S.Slimani and B. Djellouli	Ms Samia Slimani , Mouloud Mammeri University (UMMTO) - Algeria
4	Lithium cobalt oxide thin films towards resistive memories V.S.Nguyen , Van Huy Mai, Alec Moradpour, Pascale Auban Senzier, Claude Pasquier, Kang Wang, ...and Olivier Schneegans	Mr Van Son Nguyen , Paris-Sud University and UPMC- France
5	Tunable Luminescence Carbon nanoparticles From Carbohydrate Foodstuff L. A. Adams , K. Fagbenro-Owosheni, and A. Badejo	Dr Luqman Adams , University of Lagos, Nigeria
6	Modal parameter identification of perforated microplates from output data only J. Lardiès	Prof Joseph Larides , FEMTO-ST Institute - France
7	The Effect of 2-step Plasma Treatment for Single-walled Carbon Nanotube on Electrochemical Sensors J.H. Kim , K.B. Kim, C.W. Park and N.K.Min	Mr Joon Hyub Kim , Korea University-Chungnam – Rep. of Korea
8	Theoretical predictions of luminescence due to cyclosiloxanes in nanostructured Silicon Rich Oxide films employing the Global Reactions Model. N.D. Espinosa-Torres, J.A. Luna-López, J.F.J. Flores-Gracia , A.D. Hernández de la Luz, J. Martínez-Juárez and G. Flores-Carrasco	Dr Francisco Flores , Benemérita Universidad Autónoma de Puebla - Mexico
9	Sensing Low Magnetic Field by Using Planar Hall Effect Sensor I. Song, S.H. Aiden Lee, S.J. Kim and C.G. Kim	Mr Sung Joon Kim , Daegu Gyungbuk Institute of Science and Technology (DGIST) – Rep. of Korea
10	Active plasmonics: Growing Gold Nanoparticles on a Flexible Substrate to enable simple mechanical control of their plasmonic coupling U. Cataldi , R. Caputo, Y. Kurylyak, G. Klein, M. Chekini, C. Umeton and T. Burgi	Dr Ugo Cataldi , University of Geneva - Switzerland
11	PU-RGO composites and its properties for thermal conductive adhesive S. Choi , S. Park and H. Huh	Mr Sukhoon Choi , Korean Institute of Industrial Technology(KITECH), Incheon - Rep. of Korea

N.	Title	Author/Affiliation/Country
1	Leaching of Nano-SiO ₂ from Municipal Solid Waste E.T. Sakalloglu, M. Bakirdoven, I. Temizel, C.S.Uyguner- Demirel, B. Demirel , N.K. Copty, T.T. Onay and T. Karanfil	Prof Burak Demirel , Bogazici University, Institute of Environmental Sciences-Istanbul - Turkey .
2	The Role of Al ₂ O ₃ and SiO ₂ Nanoparticles on the Cycleability of Li-Air Batteries with TEGDME-PEO/LiPF ₆ Electrolytes A.Akbulut Uludağ , M. Tokur, H. Algul, T. Cetinkaya, M. Uysal and H. Akbulut	Mrs Ahsen Akbulut Uludag , Sakarya University - Turkey
3	Transparent Hydrophobic Nanolayers on ETFESiO _x Substrates for Solar Cells Encapsulation G. Rossi , P. Scarfato, L. Incarnato	Dr Gabriella Rossi , University of Salerno - Italy
4	Photovoltaic Response of Non-Toxic CuInS ₂ Quantum Dot based Conducting Polymer Composite Films I. Singh , J. Singh, A. Kumari, P.K. Rao and P.K. Bhatnagar	Mr Inderpreet Singh , University of Delhi- India
5	Benefits of a compact TiO ₂ layer for the elaboration of transparent TiO ₂ nanotubes array on conducting glass A. Krumpmann and A. Decroly	Mr Arnaud Krumpmann , University of Mons - Belgium
6	Study of LiFePO ₄ thin films as Li-ion battery cathode by in-situ electrochemical atomic force microscopy in aqueous electrolyte J. X. Wu and G. Y. Shang	Prof Guangyi Shang , Beihang University, Beijing - China
7	Textured fabrication of CdS/CdTe thin film PV cell with back contacts M. Sridar Ilango and S.K Ramasesha	Mr Murugaiya Sridar Ilango , Indian Institute of Science - India
8	Nonradiative Electron and Hole Relaxation Dynamics in Organometallic Halide Perovskites M.E. Madjet , F. El-Mellouhi, G. Berdiyrov, S. Ashhab, A. Akimov and S. Kais	Dr Mohamed El-Amine Madjet , Qatar Environment & Energy Research Institute, Qatar Foundation - Qatar
9	C-Nanotube Based Infrared Thermo-Voltaic Cells and Detectors T.Hosseini, N.Yavarishad and N. Kouklin	Dr Nikolai Kouklin , University of Wisconsin - USA
10	Natural Biodefensive Nanoparticles for Pest Control in Soy Culture A.L. Santos , V. Zucolotto, B.T.R. Rhein, I. Pezopane and G.Rosa	Dr Amanda Santos , Nanomed Inc., São Carlos - Brazil
11	Sol-Gel Production and Electrochemical Characterization of Free-Standing Metal Oxide/MWCNT Nanocomposite Anodes for Li-Ion Batteries H. Köse , Ş. Karaal, A. O. Aydın, H. Akbulut	Ms Hilal Kose , Sakarya University - Turkey
12	The Effect of Different Solvent Combination of LiBF ₄ Electrolyte on Free-Standing SnO ₂ /MWCNT Nanocomposite Anode Capacity for Li-ion Batteries Ş. Karaal , H. Köse, A. O. Aydın and H. Akbulut	Mrs Seyma Karaal , Sakarya University- Turkey
13	Photocatalytic Activities of ZnO and ZnO/ZnS Synthesized by Microwave-Hydrothermal Method N. Güy , Ş; Durmuş and M. Özacar	Mrs Nuray Guy , Sakarya University - Turkey
14	Polystyrene Micro/Nanofibers and its Application in the Removal of Crude Oil Spills M. Alazab Alnaqbi , A. Al Blooshi, Y. Greish and M. Mohsin	Dr Mohamed Alazab Alnaqbi , United Arab Emirates University, Al Ain - United Arab Emirates
15	Effects of biopolymer nano coils on sand dune stabilization and dust controlling M. Aghaei Moghadam and K. Zangeneh	Mr Mostafa Aghaei , Biopolynet Inc-Fredericton - Canada
16	Carboxymethyl-nanocellulose:a versatile raw-material in coating industry A. Reis , R. Duarte, J. Tedim, A. Caetano, A.P. Mendes de Sousa, J. Ataíde and D. Evtuguin	Dr Ana Reis , University of Aveiro - Portugal
17	Graphene Reinforced Concrete M.F. Craciun and D. Dimov	Mr Dimitar Dimov , University of Exeter - United Kingdom
18	Quantum Dot Sensitized Solar Cells with Cuprous Sulfide Counter Electrode N.M. Ferreira, C. Bernardo, I. Moura, P. J.G. Coutinho, A.G. Rolo, M. Vasilevskiy, M. Pastor, F. Fernandes, V. Teixeira, J.O.Carneiro and A. Samantilleke	Prof Anura Samantilleke , Minho University - Portugal
19	Reduced graphene oxide on TiO ₂ nanorods and nanotubes photo-anode for solar hydrogen evolution H. Kim and B. L.Yang	Mr Hyun Kim , Kumoh National Institute of Technology, Geongbuk – Rep. of Korea
20	Silicon Nanowire as an Effective Absorber for Solar Cell Application: Fabrication and Numerical Simulation M. K. Hossain, B. Salhi , A. W. Mukhaimer and F. A. Al-Sulaiman	Dr Billel Salhi , King Fahd University of Petroleum and Minerals (KFUPM), Dhahran - Saudi Arabia
21	Environmentally Friendly Design of Tailor-Made Nano-porous Polymeric Gas Adsorbents W.A. El-Mehalmey , T. Madkour and R. A. Azzam	Dr Worood El-Mehalmey , American University in Cairo - Egypt
22.	Silica-based nanocoating and LDHs sensors for enhancement of paperboard barrier properties V.M. Dias , A. Kuznetsova, I. Portugal, J. Tedim, A.A. Yaremchenko and D. V. Evtuguin	Dr Vânia Dias , University of Aveiro- Portugal