

Nanotech France 2017, NanoMetrology 2017 and NanoMatEn 2017 Program

June 27 th , 2017		
14:00-18:00	Registration / Welcoming Cocktail Reception	Registration Area
June 28 th , 2017		
09:00-12:00	Registration	Registration Area
10:00-12:30	Nanotech Plenary Session I	Amphitheatre H
12:30-14:00	Lunch Break / Exhibition / Poster Session I	Restaurant / Main Hall
14:00-16:00	Session I: Nanomaterials Fabrication / Synthesis	Room 508
	Session II - Nanomaterials synthesis and properties	Room 561
	Session III: Nanocharacterisation/ Nanometrology	Room 908
16:00-16:30	Coffee Break / Exhibition / Poster Session I	Main Hall
16:30-19:00	Session I: Nanomaterials Fabrication / Synthesis	Room 508
	Session II - Nanomaterials synthesis and properties	Room 561
	Session III: Nanocharacterisation/ Nanometrology	Room 908
June 29 th , 2017		
09:00-12:30	Nanotech Plenary session II	Amphitheatre H
10:00-10:30	Coffee Break / Exhibition / Poster Session II	Main Hall
11:00-12:45	Session IV-1: NanoBioMedecine /Nanosafety	Room 508
12:00-14:00	Lunch break / Exhibition / Poster session II	Restaurant / Main Hall
14:00-16:00	Session IV-1: NanoBioMedecine /Nanosafety	Room 508
	Focused session on Nanomedicine for cancer diagnosis and therapy	Room 561
	Session V: NanoMaterials for Energy	Room 911
	Session VI: NanoMaterials for Environmental applications	Room 912
16:00-16:30	Coffee break / Exhibition / Poster session II	Main Hall
16:30 -19:00	Session IV-1: NanoBioMedecine /Nanosafety	Room 508
	Focused session on Nanomedicine for cancer diagnosis and therapy	Room 561
	Session V: NanoMaterials for Energy	Room 911
	Session VI: NanoMaterials for Environmental applications	Room 912
18:30-20:30	Networking Cocktail Reception	Restaurant
June 30 th , 2017		
09:00-10:00	Session VII: NanoElectronics/NanoPhotonics	Room 561
	Session IV-2: NanoBioMedecine /Nanosafety	Room 508
10:00-10:30	Coffee Break + Exhibition	Main Hall
10:30-13:00	Session IV: NanoElectronics/NanoPhotonics	Room 561
	Session IV-2: NanoBioMedecine /Nanosafety	Room 508

June 28th, 2017
Nanotech Plenary session I

Amphitheatre H

Session's Chairs:
Prof. Jacques Jupille, Institut des Nanosciences de Paris, France
Prof. James M Hill, University of South Australia, Australia

08:30-12:00	Conferences Registration	
10:00-10:30	Engineering electronics properties in graphene nanostructures by atomically precise structural control O. Groening	Dr. Oliver Groening , EMPA Swiss Federal Laboratories for Materials Testing and Research, Switzerland
10:30-11:00 Coffee Break / Exhibition/ Posters Session I		
11:00-11:30	Combined experimentation and simulation on mechanical failure of metal/ceramic interfacial regions X. Zhang, B. Zhang, Y. Mu, S. Shao, C.D. Wick, B.R. Ramachandran and W.J. Meng	Prof. Wen Meng , Louisiana State University, USA
11:30-12:00	Relating elasticity and graphene folding conformation B.J. Cox, D. Baowan, W. Bacsza and J.M. Hill	Prof. James M. Hill , University of South Australia Australia
12:00-12:30	Static Multiple Light Scattering as a tool to monitor size evolution of nanoparticles during wet milling, comparison with laser diffraction and DLS C. Tisserand , G. Brambilla, P. Bru and G. Meunier	Dr. Christelle Tisserand , Formulacion, France
12:30-13 :00	Measurement and modeling of the effective thermal conductivity of sintered silver pastes J. Ordonez-Miranda and S.Volz	Dr. Jose Ordonez-Miranda , Poitiers University/ CNRS/Futuroscope, France
12:30-14:00 Lunch Break / Exhibition / Posters session I		

June 28th, 2017

Session I: Nanomaterials Fabrication / Synthesis

Conference Room Room 508

Session's Chairs:
Prof. Jacques Jupille, Institut des Nanosciences de Paris, France
Prof. Antonio Morone, CNR-ISM, Italy
Prof. Takahiro Maruyama, Meijo University, Japan

14:00-14:15	Effect of specific ions on the surface charge of silica nanoparticles and ion behaviour in silica gels C. Sögaard , J. Funehag and Z. Abbas	Mr. Christian Sögaard , University of Gothenburg, Sweden
14:15-14:30	Rational Design of Mesoporous Silica Nanoparticles for Robust Immobilization of Lipase M. Kalantari , M. Yu and C.Z. Yu	Mr. Mohammad Kalantari , The University of Queensland, Australia
14:30-14:45	The role of substrate rotation for growing metallic nanostructures prepared by glancing angle deposition S. Liedtke , Ch. Grüner and B. Rauschenbach	Ms. Susann Liedtke , Leibniz Institute of Surface Modification (IOM), Germany
14:45-15:00	Understanding the effects of Precursor Loading Factors on the Premixed Flame Synthesis of Titanium Oxide Nanoparticles X. Lu , J. Salvage and K. Saeed	Mr. Xingming Lu , University of Brighton, UK
15:00-15:15	Realization of Large-Area Wrinkle-Free Monolayer Graphene Films Transferred to Functional Substrates B-J. Park and S-G. Yoon	Mr. Byeong-Ju Park , Chungnam National University, Rep. of Korea
15:15-15:30	The Effect of Polymer Functional Group on the Adsorption Behaviour of Polymers onto Graphene Oxide Nanosheets. E. Al-Bermamy and B. Chen,	Mr. Ehssan Al-Bermamy , University of sheffield, UK

15:30-15:45	Enhanced Blue Light Emission and Thermal Stability of Graphene oxide Hyperbranched Polyimide Nanocomposites. A.Iqbal, H.M. Siddiqi , T. Akhtar and O.Ok.Park	Dr. Humaira Masood Siddiqi , Quaid-i-Azam University, Pakistan
15:45-16:00	Tunable Au nanogaps via Layer by layer deposition of organic fill-ers and thiolated polyelectrolytes A. Bellunato , C. de Sere, Zhanna Overchenko and G. F. Schneider	Mr. Amedeo Bellunato , Leiden University, The Netherlands
16:00-16:30	Coffee Break / Exhibition/ Posters Session I	
16:30-17:00	Monitoring of Defect Formation in Epitaxial Graphene via Anodization M. Vagin, I. Ivanov and R. Yakimova	Dr. Mikhail Vagin , Linkoping University, Sweden
17:00-17:15	Graphene mechanics: defects, buckling and domain growth S.K. Jain and G.T. Barkema	Mr. Sandeep K. Jain , Utrecht University, The Netherlands
17:15-17:30	High Yield Exfoliation of Two-Dimensional Materials Based on the Control of Micellar Size of Surfactants S.J. Yun , C. Yeon, J.W. Lim, G-H. Kim and I. Lee	Dr. Sun Jin Yun , Electronics and Telecommunications Research Institute, Rep. of Korea
17:30-17:45	Controlling energy product of hcp-Cobalt nano-magnets H.T.T. Nong , K. Mrad, F. Schoenstei, N. Jouini ¹ , B. Leridon ² , J-Y. Piquemal and S. Mercone	Mrs. Huyen Nong Thi Thanh , CNRS- Paris 13 University, France
17:45-18:00	Study of Rapid Two Photon Polymerization for Cell Migration by Large Scale of Roughness and Hydrophobicity Controlled Surface C. Y. Liu , Q. W. Tang, T. T. Chung and A. B. Wang	Dr. Chao Yuan Liu , National Taiwan University, Taiwan
18:00-18:15	Deposition of Magnetic SmCo nanoparticles L. Allocca, U. Gambardella and A. Morone	Prof. Antonio Morone , CNR-ISM, Italy
18:15-18:30	A versatile process toward ambiphobic surfaces M. Blosi , M. Raimondo, F. Veronesi, G. Boveri and G. Guarini	Dr. Magda Blosi , Institute of Science and Technology for Ceramics- CNR, Italy
18:30-18:45	Preparation and Characterization of Transparent Alumina films by Novel Room Temperature Ceramic Coating Method J-H. Park , S-H. Kim, J.-K. Park, T-Y.Kim, J-W. Lee, S-W.Kim, S-H. Shin, H-J. Choi, D-S. Park, C. Park, K-S. Lee and S-J. Suh	Mr. Jong-Hwan Park , SungKyunkwan University, Rep. of Korea
18:45-19:00	Synthesis and characterization of nanocomposite polymer electrolytes with potential applications for Li-ion batteries. J. Cardoso, A. Mayrén, I. C. Romero-Ibarra , D. P. Nava and J. Vazquez-Arenas	Dr. Issis Romero-Ibarra , Polytechnic National Institute, México
19:00-19:15	Self-rectifying Resistive Switching Characteristics in the Au/Ni/FeOx-GO/Si ₃ N ₄ /n+-Si Structure S-I. Oh , J.R.Rani and J-H. Jang	Ms. Se-I Oh , Gwangju Institute of Science and Technol, Rep. of Korea
19:15-19:30	Influence of flow rate in the structural and optical properties of nanostructured CeO ₂ thin films deposited by spray pyrolysis M.F. García Sánchez , I. Ponce Rosas, I.C.Romero Ibarra and G. Santana	Dr. Mario Fidel García Sánchez , Polytechnic National Institute, México

June 28th, 2017

Session II - Nanomaterials synthesis and properties

Conference Room 561

Session's Chairs:

Dr. Oliver Groening, EMPA Swiss Federal Laboratories for Materials Testing and Research, Switzerland

Prof. Yung Woo Park, Seoul National University, Rep. of Korea

Prof. Anil K. Bhowmick, Indian Institute of Technology, India

14:00-14:15	Synthesis of size-controlled nanoparticles by tuning the support properties and varying the reduction temperature B. Van Vaerenbergh , K. De Vlieger, J. Lauwaert, J.W. Thybaut, A. Verberckmoes, J. De Clercq and P. Vermeir	Mr. Beau Van Vaerenbergh , Ghent University, Belgium
14:15-14:30	Control of the crystal shape and magnetic properties of Co nanorods through the stirring rate. K. Mrad , F. Schoenstein, H.T.T. Nong, E. Anagnostopoulou, L. Mouton, S. Mercone, C. Ricolleau, N. Jouini, M. Abderraba, G. Viau and J.-Y. Piquemal	Ms. KhouLOUD Mrad , University Paris 13, France
14:30-14:45	Intrinsic Conduction Mechanism in Polymer Nanofibers K. H. Kim, S. Lara-Avila, S. Kubatkin and Y. W. Park	Prof. Yung Woo Park , Seoul National University, Rep. of Korea
14:45-15:00	Low Temperature Electrical Resistivity and Magnetoresistance Measurement of Polyaniline and Carbon Nanotube Composites N. Tanty , A. Patra, K. Prasad Maity and V Prasad	Mr. Narendra Tanty , Indian Institute of Science-Bangalore, India
15:00-15:15	Core-shell heterostructures combining photostrictive and piezomagnetic properties A. Adam , M. Poggi, E. Larquet, D. Chernyshov, T. Gacoin and I. Maurin	Ms. Adeline Adam , CNRS-Ecole Polytechnique, France
15:15-15:30	The effect of hybrid nanofillers on mechanical properties of carbon fibre epoxy composites. A.A.Mahuof , A.G.Gibson and G. Kotsikos	Mr. Ayad Aied Mahuof , Newcastle University, UK
15:30-15:45	Synthesis of zinc oxide/reduced graphene oxide nanocomposites and evaluation of its tribological properties in paraffin oil as energy efficient lubricant additive R.B. Rastogi , Kalyani, V. Jaiswal and D. Kumar	Prof. Rashmi Bala Rastogi , Indian Institute Technology-Varanasi, India
15:45-16:00	Polyurethane-MWCNT nanocomposite for RAM applications I.J. Rajmohan, M.I.Hussein, Q.Clément and N.Vukadinovic	Dr. Quentin Clément , Dassault Aviation, France
16:00-16:30	Coffee Break / Exhibition/ Posters Session I	
16:30-17:15	The challenge of nanoparticle stabilization for the preparation of nanocomposites T. Graule	Prof. Thomas Graule , EMPA Swiss Federal Laboratories for Materials Science and Technology, Switzerland
17:15-17:30	Why are Rubber Nanocomposites so Exciting? A.K. Bhowmick	Prof. Anil K. Bhowmick , Indian Institute of Technology, India
17:30-17:45	Field emission properties of Lanthanum Nickelate nanoparticles A. Patra , R. Kamble, N. Tanty and V. Prasad	Ms. Ananya Patra , Indian Institute of Science-Bangalore, India
17:45-18:00	Superior Optical Properties of Single Perovskite Nanocrystals X.Wang , F.Hu, C.Yin, C. Zhang and M. Xiao	Prof. Xiaoyong Wang , Nanjing University, China
18:00-18:15	The Dielectric Studies of BT-CCT Nanocomposite Ceramic Synthesized by Solid State Route K.D. Mandal and A. Khare	Prof. Kamdeo Mandal , Indian Institute of Technology, India
18:15-18:30	Study of LDH Fabrication Method to Reduce Atmospheric CO ₂ Concentration J.H. Eom and S.G. Yoon	Mr. JiHo Eom , Chungnam National University, Rep. of Korea
18:30-18:45	Inexpensive and Rapid Synthesis Unilamellar Liposomes for Drugs Delivery C. Has and P. Sunthar	Mr. Chandra Has , Indian Institute of Technology Bombay, India
18:45-19:00	Real-time assessment of self-assembly of smart supramolecular systems by optical and biochemical methods K.G. Shevchenko , V.R. Cherkasov, E.N. Mochalova, A.V. Babenyshev and M.P. Nikitin	Mr. Konstantin Shevchenko , Moscow Institute of Physics and Technology, Russia
19:00-19:15	Scaling up nanoxerography by electrical micro-contact printing for photoluminescent anti-counterfeiting solutions D. Poirot , E. Palleau, F. Guerin, T. Alnasser and L. Ressler	Mr. David Poirot , Toulouse University, France

19:15-19:30	Eco-friendly Antibacterial films using Al doped ZnO based Thin Films by RF Sputtering H-J. Choi and S-G. Yoon	Mr. Hyung-Jin Choi , Chungnam National University, Rep. of Korea
19:30-19:45	Fabrication and Characterization of Graphene Reinforced Tungsten Carbide – Cobalt Composite G.V.Kiran, G. Sairam, B. B. Shankar, K. Jyothi, K. Jhansi, R.S. Rao and A.O. Surendranathan	Prof A.O. Surendranathan , National Institute of Technology Karnataka, India

June 28th, 2017
Session III: Nanocharacterisation/ Nanometrology

Session's Chairs:
Prof. James M Hill, University of South Australia, Australia
Prof. Wen Meng, Louisiana State University, USA
Prof. Tim Myers, Mathematics Research Centre- Barcelona, Spain
Dr. Lucien Saviot, Bourgogne Franche-Comté University, France

Conference Room 908

14:00-14:15	Modelling the particle size dependent surface charging of nanoparticles Z. Abbas	Prof. Zareen Abbas , University of Gothenburg, Sweden
14:15-14:30	Elastomeric nanofluidic devices for characterizing nanomaterials E. Angeli , P. Guida, D. Pezzuoli, L. Repetto, R. Lo Savio, G.Firpo and U. Valbusa	Dr. Elena Angeli , University of Genoa, Italy
14:30-14:45	Bristol NanoESCA Facility: a new platform for surface analysis M. Cattelan and N. A. Fox	Dr. Mattia Cattelan , University of Bristol, UK
14:45-15:00	Mathematical modeling of nanoparticle growth and melting T. Myers , C. Fanelli and H. Ribera	Prof. Tim Myers , Mathematics Research Centre- Barcelona, Spain
15:00-15:15	Oblique Angle Deposition: A Ballistic Model and its Limits C. Grüner , S. Liedtke, J. Bauer, S. Mayr and B. Rauschenbach	Mr. Christoph Grüner , Leibniz Institute of Surface Modification, Germany
15:15-15:30	The effect of the surfactant in the stability of NiO-nanofluids A. S. Coronilla , E. I. Martín, J. Navas, T. Aguilar, R. Gómez-Villarejo, J.J. Gallardo, R. Alcántara, D. De los Santos,3 I. Carrillo-Berdugo and C. Fernández-Lorenzo	Dr. Antonio Sánchez Coronilla , University of Seville, Spain
15:30-15:45	Taylor Dispersion Analysis: Extending the boundaries of nanoparticle characterization D. A. Urban , A. M. Milosevic, D. Bossert, F. Crippa, C. Geers, S. Balog, B. Rothen-Rutishauser and A. Petri-Fink	Mr. Dominic Andreas Urban , University of Fribourg, Switzerland
15:45-16:00	Evaluation of particle sizing by analytical centrifugation using real-world materials for the implementation of the EC definition of the term "nanomaterial" C. Ullmann , D. Mehn, D. Gilliland, W. Wohlleben, R. Koeber and F. Babick	Mr. Christian Ullmann , Dresden University of Technology, Germany
16:00-16:30	Coffee Break /Exhibition/ Posters Session I	
16:30-16:45	Monitoring the sintering of nanoparticles with Raman scattering L. Saviot , S. Le Gallet, F. Demoisson, L. David, G. Sudre, A. Girard, J. Margueritat and A. Mermet	Dr. Lucien Saviot , Bourgogne Franche-Comté University, France
16:45-17:00	HRTEM and STEM-EELS study of thin films Pt-CeOx nanocatalysts for on-chip fuel cell technology V. Potin	Dr. Valérie Potin , Bourgogne Franche-Comté University, France
17:00-17:15	Self-organized nano-structures usable for the calibration and the traceability of AFM and TEM D. Pachinger	Dr. Dietmar Pachinger , E+E Elektronik GmbH, Austria

17:15-17:30	Probing electronic and magnetic structure of functionalized graphene compounds by Near Edge X-ray absorption Fine structure Spectroscopy and Confocal Raman Spectroscopy S. Sambasivan , N. Cassel, D. Allen, P. Smith, W. Archibald and D. A. Fischer	Dr. Sharadha Sambasivan , Suffolk County Community College, USA
17:30-17:45	Current Distribution Mapping of Carbon Nanotube-Embedded Polymer Using Conductive Probe Atomic Force Microscopy G. Pascual, J. Pineda, B. Kim and K. Lee	Mr. Keibock Lee , Park Systems Inc., United States of America
17:45-18:00	Nanoscale material characterisation with the use of a modified DVD pickup in High-speed Atomic Force Microscopy F. Russell-Pavier , O. Payton, L. Picco, J. Day, T. Scott and A. Yacoot	Mr. Freddie Russell-Pavier , University of Bristol, UK
18:00-18:15	Dual-tip-based scanning probe microscopy J. Šoltýs , M. Precner, K. Neilinger, J. Dérer and V. Cambel	Dr. Jan Soltys , Institute of Electrical Engineering SAS-Bratislava, Slovakia
18:15-18:30	First Principles-Based Molecular Dynamics Study of the Effect of Dielectric Polarization of Graphene in the Wetting of Graphitic Surfaces R.P.Misra and D. Blankschtein	Mr. Rahul Prasanna Misra , Massachusetts Institute of Technology, USA
18:30-18:45	Quantitative Modeling of MoS ₂ -Solvent Interfaces: Predicting Contact Angles and Exfoliation Performance Using Molecular Dynamics Simulations A.G. Rajan , V. Sresht, E. Bordes, M.S. Strano, A.A.H. Padua and D. Blankschtein	Mr. Ananth Govind Rajan , Massachusetts Institute of Technology, USA
18:45-19:00	Synthesis and characterization of iodinated polymer particles and use as a contrast agent for tomography using a spectral scanner J. Balegamire , D ; Bar-Ness, Y. Chevalier, H. Fessi, S. Si-Mohamed, M. Sigovan, M. Vandamme, E. Chereul, L. Bousset and P. Douek	Mrs. Joëlle Balegamire , Claude Bernard Lyon 1 Universit, France
19:00-19:15	Theoretical Analysis of the Optical Response of silicon/silica/gold Multishell Nanoparticle in Biological tissue W. Chaabani , A. Chehaidar, J. Proust and J. Plain	Mr. Wajdi Chaabani , Sfax University, Tunisia / Troyes University, France

June 29th, 2017
Nanotech Plenary session II

Amphitheatre H

Session's Chairs:
Prof. Jacques Jupille, Institut des Nanosciences de Paris, France
Prof. Cédric Chauvierre, INSERM Paris, France

09:00-09:45	Medical Nanochemistry, the use of reactive inorganic nanoparticles in medicine. V. Puntès	Prof. Victor Puntès , Institut Català de Nanotecnologia-Barecelona, Spain
09:45-10:30	Engineering porous silicon nanoparticles for smart drug delivery N. Voelcker	Prof. Nicolas Voelcker , Monash University, Australia
10:30-11:00 Coffee Break / Exhibition/ Posters Session II		
11:00-11:30	Solar Fuel: High Efficient Photocatalysts for CO ₂ conversion into hydrocarbon fuels S-I. In	Prof. Su-Il In , Department of Energy Systems Engineering, DGIST, Rep. of Korea
11:30-12:00	Progress in Quantum Dot Photonics: From Science to Practical Implementations Y. Arakawa	Prof. Yasuhiko Arakawa , The University of Tokyo, Japan
12:00-14:00 Lunch Break/ Exhibition/ Posters session II		

June 29th, 2017
Session IV-1: NanoBioMedecine/Nanosafety

Conference Room 508

Session's Chairs:
Prof. Cédric Chauvierre, INSERM Paris, France
Prof. Maryam Tabrizian, McGill University, Canada

11:00-11:30	Gold nanoparticles can transport charge across phospholipid bilayer membranes M. Brust	Prof. Mathias Brust , University of Liverpool, UK
11:30-12:00	Nanomedicine for Molecular Imaging and Targeted Therapy of Cardiovascular Diseases C. Chauvierre	Prof. Cédric Chauvierre , INSERM Paris, France
12:00-12:30	Multilayer Nano-Films for Controlled Release of Therapeutics J. Hong , U. Han and D. Choi	Prof. Jinkee Hong , Chung Ang University, Rep. of Korea
12:30-14:00 Lunch Break / Exhibition / Posters Session II		
Session's Chairs: Prof. Nicolas Voelcker, Monash University, Australia Prof. Cédric Chauvierre, INSERM Paris, France Prof. Maryam Tabrizian, McGill University, Canada Prof Chia-Ching Chang, National Chiao Tung University, Taiwan		
14:00-14:15	A targeted vaccine delivery system using functionalized gold nanocages and an intestinal Trojan horse C. Yu, T. Tong , Q. Wang and C. Miller	Mr. Tianjian Tong , Iowa State University, USA
14:15-14:30	Asymmetric flow field-flow fractionation: A new approach for analysis of the protein corona C. Weber , K. Landfester and S. Winzen	Ms. Claudia Weber , Max Planck Institute for Polymer Research Mainz, Germany
14:30-14:45	Simultaneous Live Cell Monitoring and Gene Therapy with Multifunctional Carbon Nanoparticles M. Aramesh	Dr. Morteza Aramesh , ETH Zürich, Switzerland

14:45-15:00	Elaboration of nanohybrid based on titanate nanotubes for biomedical applications: new nanovectors of resveratrol derivatives F. Sallem , J. Boudon, R. Haji, D. Fasseur-Vervandier, A. Megriche, M. El Maaoui and N. Millot	Mrs. Fadoua Sallem , Bourgogne Franche-Comté University, France
15:00-15:15	Enhancing transdermal delivery of hydrophilic compound via synergistic action of d-limonene loaded PEGylated lipid nanocarriers W. Rangsimawong , Y. Obata, P. Opanasopit, T. Rojanarataa, K. Takayama and T. Ngawhirunpata	Ms. Worranan Rangsimawong , Silpakorn University, Thailand
15:15-15:30	Plasma Engineered Nanorough Substrates For Stem Cells In Vitro Culture M. MacGregor Ramiasa , I. Hopp, P. Murray and K. Vasilev	Dr. Melanie MacGregor-Ramiasa , University of South Australia, Australia
15:30-15:45	Providing an alternative to covalent stealth modification of nanomaterials by using tunable surfactants S. Winzen , J. Müller, K.N. Bauer, J. C. Schwabacher, D. Prozeller, J. Simon, V. Mailänder and K. Landfester	Dr. Svenja Winzen , Max Planck Institute for Polymer Research, Germany
15:45-16:00	Investigating the Mechanical Properties of Soft Biomaterials Using the Atomic Force Microscopy (AFM) I. Albaijan , V. Sboros and V. Koutsos	Mr. Ibrahim Albaijan , The University of Edinburgh, UK
16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-17:00	Human Pancreatic Islet Secretory Fingerprint Analysis using a Microfluidic Impedance Spectroscopy Platform R.F.Castiello, K. Heileman and M.Tabrizian	Prof. Maryam Tabrizian , McGill University, Canada
17:00-17:30	Ni ions containing DNA nanowire devices C-C. Chang , C-J. Yuan, W-B. Jian, Y-C. Chen and M. Di Ventura	Prof Chia-Ching Chang , National Chiao Tung University, Taiwan
17:30-17:45	Managing industrial accident risks in the Nanomaterials value Chain B. Debray , A. Vignes, G. Binotto, Y. Ollier, J.M. Lacomme, H.D. Le and B. Truchot	Dr. Bruno Debray , INERIS, France
17:45-18:00	Probing the size- and charge dependent cytotoxicity of silica nanoparticles and their application in biosensors M.Mathélié-Guinlet , L. Beven, I. Gammoudi, F. Moroté, C.Grauby-Heywang, M-H.Delville and T. Cohen-Bouhacina	Ms. Marion Mathélié-Guinlet , Bordeaux University, France
18:00-18:15	Nanogap Capacitive Biosensor For Label-Free Aptamer-Based Protein Detection Z. Ghobaei Namhil and N.T. Kemp	Mrs. Zahra Ghobaei Namhil , University of Hull, UK

June 29th, 2017

Focused session on Nanomedicine for cancer diagnosis and therapy

Conference Room 561

Session's Chairs:

Dr. Holger Stephan, Helmholtz-Zentrum Dresden-Rossendorf, Germany

Dr. Kristof Zarschler, Helmholtz-Zentrum Dresden-Rossendorf, Germany

14:00-14:45	Breakable materials for hepatocarcinoma therapy L. De Cola	Prof. Luisa De Cola , University of Strasbourg, France
14:45-15:15	Magnetic Nanoparticles for magnetic hyperthermia and cytotoxic action: from the synthesis to their in vitro and in vivo characterization T. Pellegrino	Dr. Teresa Pellegrino , Italian Institute of Technology, Italy
15:15-15:45	Raspberry-Like Magneto-Fluorescent Nanoassemblies as Versa-tile Platforms for In Vitro and In Vivo Diagnostics J. Boucard, J. Poly, T. Blondy, C. Linot, C. Blanquart, P. Arosio, A. Lascialfari, L. Lartigue and E. Ishow	Prof. Eléna Ishow , Nantes University, France.

15:45-16:15	Nano-modified natural therapeutic agents to target copper homeostasis in Neuroblastoma O. Vittorio , M. B. Brandl, G. Cirillo, K. Kimpton, E. M. H. Yee, N. Kumar and M. Kavallaris	Dr. Orazio Vittorio , University of New South Wales, Australia
16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-17:00	Polymer radionuclide conjugates - the selected stories from the Institute of Macromolecular Chemistry AS CR M. Hrubý , J. Kučka, J. Pánek and P. Štěpánek	Dr. Martin Hruby , Czech Republic Academy of Sciences, Czech Republic
17:00-17:15	Synthesis and In Vitro Evaluation of a Cancer-Specific Dual-Targeting ¹⁷⁷ Lu-Nanoradiopharmaceutical A. González , E.P. Azorin, C.L. Santos, B.E. Ocampo, N. Jiménez, F.M. Ramírez, K. Isaac, E. Morales and G. Ferro	Mr. Abraham Gonzalez , University of the State of Mexico, Mexico
17:15-17:30	Upconverting nanophosphors for bioimaging: Preparation Strategies for Hydrophilic Colloidal Stable Particles A. Nsubuga , T. Joshi, M. Sgarzi and H. Stephan	Ms. Anne Nsubuga , Helmholtz Zentrum Dresden Rossendorf, Germany
17:30-17:45	Active targeting and in vivo multimodal imaging of renally excretable polymer nanoparticles K. Pant , K. Zarschler, C. Neuber, J. Pufe, J. Pietzsch, J. Steinbach, R. Haag and H. Stephan	Ms. Kritee Pant , Helmholtz Zentrum Dresden Rossendorf, Germany
17:45-18:00	Mannan conjugates for multimodal imaging M. Rabyk , M. Jiratova, A. Galisova, D. Jirak and M. Hruby	Mrs. Mariia Rabyk , Czech Republic Academy of Sciences, Czech Republic
18:00-18:15	Biophysical modelisation of gold nanoparticles radiosensitizing effects F. Poignant , B. Gervais, A. Ipatov, C. Monini, M. Cunha, P.J Lartaud, T. Bacle, E. Testa and M. Beuve	Ms. Floriane Poignant , Institut de Physique Nucléaire de Lyon, France
18:15-18:30	Thermal and biological study of benignly synthesized silver/reduced graphene oxide nanocomposites S.S. Mehetre and M. Singh	Mr. Shantilal S. Mehetre , Central University of Gujarat, India

June 29th, 2017

Session V: NanoMaterials for Energy

Conference Room 911

Session's Chairs:

Prof. Xiaoyong Wang, Nanjing University, China
Dr. Valérie Potin, Bourgogne Franche-Comté University, France
Dr. Andrea Lamberti, Polytechnic University of Turin, Italy

12:30-14:00

Lunch Break / Exhibition / Posters session II

14:00-14:30	Nanofluidic transport in nanotubes and applications to osmotic power L. Bocquet	Prof. Lyderic Bocquet , Ecole Normale Supérieure, Paris, France
14:30-14:45	Nanofluids the New Revolution in Thermal Science and Engineering M. Hussien	Prof. Muataz Hussien , Hamad bin Khalifa University, Qatar
14:45-15:00	The role of the base fluid arrangement to enhance heat transfer of Ag-Nanofluid used for concentrating solar power plants E.I. Martín , A. Sánchez Coronilla, J. Navas, R. Gómez-Villarejo, T. Aguilar, J.J. Gallardo, R. Alcántara, D. De los Santos, I. Carrillo-Berdugo, C. Fernández-Lorenzo	Dr. Elisa I. Martín Fernandez , Seville University, Spain
15:00-15:15	Topology optimized nanoparticles for near-infrared enhanced photon upconversion J. Vester-Petersen , R. E. Christiansen, B. Julsgaard, P. Balling, O. Sigmund and S. P. Madsen	Mr. Joakim Vester-Petersen , Aarhus University, Denmark
15:15-15:30	Photovoltaic Performance and Excited State Properties of AgInS ₂ -ZnS Quantum Dots S.M. Kobosko , D.H. Jara and P.V. Kamat	Mr. Steven M. Kobosko , University of Notre Dame, USA

15:30-15:45	An Effect of Fullerenes C60 Additives on Thermophysical Properties of Refrigerant/Mineral Oil Solutions and Efficiency of Vapor Compression Machine A. Nikulin , O. Khliyeva, S. Moroz, M. Lukianov, V. Zhelezny and A. L. N. Moreira	Dr. Artem Nikulin , University of Lisbon, Portugal
15:45-16:00	A Comparative Study on loading RGo Nanosheet in Fe2O3 and MoSe2 Nanocomposites, using Watersplitting P.Sangpour, M. Nasiri, Z.Khajehsaeidi and M.Bagheri	Mrs. Zahra Khajehsaeidi , Material and Energy Research Center, Iran
16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-16:45	Nanocrystalline Li4Ti5O12 spinel as an anode material for Na-ion batteries M. Zukalova, B. Pitna Laskova and L. Kavan	Dr. Marketa Zukalova , J. Heyrovský Institute of Physical Chemistry, Czech Republic
16:45-17:00	Increasing the hydrogen storage capacity of IRMOF-1 via applied electric fields L.P. Zarbo , M.A. Oancea and D.I. Bilc	Dr. Liviu P. Zarbo , INCDTIM Cluj-Napoca, Romania
17:00-17:15	Hydrothermal Reaction Combined with a Post Anion-Exchange Reaction of Hierarchically Nanostructured NiCo2S4 for High-Performance QDSSCs and Supercapacitors S.S. Rao , I.K. Durga, N. Kundakarla, D. Punnoose, C.V.M. Gopi, A.E. Reddy and H-J. Kim	Mr. Sunkara Srinivasa Rao , Pusan National University, Rep. of Korea
17:15-17:30	Laser-induced graphenization of polymeric surface as powerful method for flexible supercapacitor fabrication A. Lamberti , F. Perrucci, M. Fontana, G. Ferraro, S. Bocchini, M. Serrapede, S. Bianco, S. Ferrero, L. Scaltrito, A. Chiolerio, E. Tresso and C. F. Pirri	Dr. Andrea Lamberti , Polytechnic University of Turin, Italy
17:30-17:45	Carbon coated MoS2 flakes as anode for lithium-ion batteries D.A. Dinh , H. Sun, L. Najafi, C. Di Giovanni, A. Esau Del Rio Castillo, A. Ansaldo, Z. Dang, V. Pellegrini and F. Bonaccorso	Mr. Duc Anh Dinh , Italian Institute of technology, Italy
17:45-18:00	Oxygen reduction reaction on anisotropic silver nanoparticles in alkaline media for fuel cell application M.Malviya , R. K. Gupta, A.D. Verma and I Sinha	Dr. Manisha Malviya , India Institute of Technology-Varanasi, India

June 29th, 2017

Session VI: NanoMaterials for Environmental applications

Conference Room 912

Session's Chairs:

Prof Su-Il In, Department of Energy Systems Engineering, DGIST, Rep. of Korea

Prof. Carmen Del Hoyo Martínez, University of Salamanca, Spain

12:30-14:00

Lunch Break / Exhibition / Posters session II

14:00-14:30	Photocatalysis of Doped ZnO nanomaterials: Importance of the Location of Dopants T. Tsuzuki and R. He	Prof. Takuya Tsuzuki , Australian National University, Australia
14:30-15:00	Metal Oxide Nanocomposites for Enhanced Performance of Supercapacitors and Photocatalysts J-J. Shim , S. Sahoo, N.M.Tue Le and N.Van Quang	Prof. Jae-Jin Shim , Yeungnam University, Rep. of Korea
15:00-15:30	Nanoclays for adsorption of industrial contaminants: A sustainable application C. del Hoyo Martínez , S. Monreal Pascual, M. S. Lozano García, V. Sánchez Escribano and M. Villa García	Prof. Carmen Del Hoyo Martínez , University of Salamanca, Spain
15:30-15:45	Photocatalytic Removal of Some Emerging Micropollutants From Raw Hospital Wastewater Using TiO2 Nanoparticles G. Guney and D.T. Sponza	Mrs. Gokce Guney , Dokuz Eylul University, Turkey
15:45-16:00	Synthesis of Ag- TiO2- Reduced Graphene Oxide Hybrid Composites as Photocatalyst for Degradation of Petrochemical Contaminated Waste Water D. Tiwary , P. Singh, A. Ojha and P.K Mishra	Prof. Dhanesh Tiwary , Indian Institute of Technology-Varanasi, India

16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-16:45	Photocatalytic Titanium-Carbon Nanotube Hybrid Material for Water Remediation S. Shaw, S. Kang, C. Johnson, H.Harrison, K. Kumar, T. Lim and J. Bang	Dr. John Bang , North Carolina Central University, USA
16:45-17:00	Simultaneous Recovery of Clean Water and Energy Using Nano-Structured Pt Catalysts Deposited on the Surface of Microfiltration Polymeric Hollow Fibers K. Katuri, N. Bettahalli, X. Wang, G. Matar, S. Chisca, S. Nunes and P. Saikaly	Prof. Pascal Saikaly , King Abdullah University of Science and Technology, Saudi Arabia
17:00-17:15	Two-Dimensional Carbon Nanomaterials for Next Generation Water Treatment Technologies K.A. Mahmoud , K. Rasool and Y. Gogotsi	Dr. Khaled A. Mahmoud , Hamad Bin Khalifa University, Qatar .
17:15-17:30	Noninvasive Relaxometry Evidence of Linear Pore Size Dependence of Water Diffusion in Nanoconfinement H. Chemmi, D. Petit , P. Levitz, R. Denoyel, A. Galarnau and J.-P. Korb	Dr. Dominique Petit , CNRS/ Montpellier University, France
17:30-17:45	Composite Membranes Modified with Polyelectrolyte Nanolayers: Characterization and Antifouling Potential V.Kochkodan , D. Johnson and M. Hussein	Dr. Viktor Kochkodan , Hamad Bin Khalifa University, Qatar
17:45-18:00	New Hetero-bimetallic Alkoxides $[CdIIIMV(OiPr)_7]_2$ (M = Nb, Ta) as Potential Precursors to selective oxide phase and photocatalysis R. Garg , C. Hegemann, and S. Mathur	Mr. Rishabh Garg , University of Cologne, Germany
18:00-18:15	Synthesis of Pd-Ag Bimetallic Alloy Decorated Nitrogen Doped Graphene and their Catalytic Study for Selective Hydrogenation in Excess Ethylene F. Mansourkhani , A. Badiei, A.M Rashidi and S.Khajehmandali	Ms. Firozeh Mansourkhani , University of Tehran, Iran
18:15-18:30	APTES functionalized of cocoa shell (CS) surfaces obtained from biomass and its application in CO ₂ adsorption R. Bargougui , N. Bouazizi, P. Fotsing, O. Thoumire, G. Ladam, N. Brun, E. Djoufac Woumfo, J. Vieillard, N. Mofaddel and F. Le Derf	Mr. Radhouane Bargougui , INSA- Rouen University, France
18:30-18:45	Impact of Nitro Phosphate-ZnO Nanoparticle Composites on Spinach Growth and Nutrient Use Efficiency A.P. Kale and S. N. Gawade	Dr. Satyavikas N. Gawade , Rashtriya Chemicals and Fertilizers Limited, India
18:45-19:00	Novel ionic liquid bonded magnetic nanoparticle decorated zeolite nanocomposite for excellent catalytic reduction of dyes A. Vasanthakumar, R. M. Gengan and G. G. Redhi	Mr. Vasanthakumar Arumugam , Durban University of Technology, South Africa
19:00-19:15	Effect of Nano-ZnO-SiO ₂ on the photodegradation of olive mill effluent recoveries of Nano-ZnO-SiO ₂ polyphenols and utilisability of treated wastewater as irrigation purpose Ç. Ulusoy and D.T. Sponza	Dr. Caglar Ulusoy , Dokuz Eylul University, Turkey
19:15-19:30	Characterization and Behavior of SiO ₂ and Fluoride Nanoparticles in Aqueous Systems : Influence of pH and Commercial Polymers M.O. Fatehah , M.Z. Noor Aina and J.Y. Sin	Dr. Fatehah Mohd Omar , Sains Malaysia University, Malaysia

June 30th, 2017

Session VII: NanoElectronics/NanoPhotonics

Conference Room 561

Session's Chairs:

Prof. Zareen Abbas, University of Gothenburg, Sweden

Prof. Takuya Tsuzuki, Australian National University, Australia

Dr. Lukas Gerhard, Karlsruhe Institute of Technology, Germany

09:00-09:30	The Study of Emerging Materials in Nano-electronic Devices and Their Corresponding Electrical Performances H-L.Chang and C-T. Chang ,	Prof. Hui-Lin Chang , National Chiao Tung University, Taiwan
09:30-09:45	Hybrid graphene – colloidal quantum dot phototransistor for IR-imaging applications I. Nikitskiy , S. Goossens, D. Kufer, T. Lasanta, G. Navickaite, G. Konstantatos and F. Koppens	Mr. Ivan Nikitskiy , The Institute of Photonic Sciences, Barcelona, Spain
09:45-10:00	Tuning the properties of graphene nanomesh for high-performance supercapacitors Y. Zhong, T.Shi and Z.Tang	Ms.Yan Zhong , Huazhong University of Science and Technology, China
10:00-10:30	Coffee Break / Exhibition	
10:30-10:45	Threshold Voltage Adjustment on MoS2 Field Effect Transistor (FET) by Dielectric Capping Layer J. Park , S-H. Kim, S-W. Kim and H-Y. Yu	Mr. June Park , Korea University- Seoul, Rep. of Korea
10:45-11:00	Spirobifluorene in the STM junction: a molecular toggle switch L. Gerhard , K. Edelmann, J. Homberg, M. Valášek, S. G.Bahoosh, M. Lukas, F. Pauly, M. Mayor and W. Wulfhekel	Dr. Lukas Gerhard , Karlsruhe Institute of Technology, Germany
11:00-11:15	Thermally Stable Metal-Interlayer-Semiconductor Structure for Source/Drain Contact of Germanium n-channel Transistors G-S. Kim and H-Y. Yu	Mr. Gwang-Sik Kim , Korea University- Seoul, Rep. of Korea
11:15-11:30	Permanent Excimer Superstructures By Supramolecular Networking of Metal Quantum Clusters B. Santiago-Gonzalez , A. Monguzzi, J.M. Azpiroz, M. Prato, S. Erratico, M. Campione, R. Lorenzi, J. Pedrini, C. Santambrogio, Y.Torrente, F. De Angelis, F. Meinardi and S. Brovelli	Dr. Beatriz Santiago-Gonzalez , University of Milano-Bicocca, Italy
11:30-11:45	Gallium nitride nanowire based flexible piezoelectric sensor: design, fabrication and electrical performances. A. El Kacimi , E. Pauliac-Vaujour and J. Eymery	Mr. Amine. El Kacimi , CEA, LETI, MINATEC/ Grenoble Alpes University, France
11:45-12:00	ZnO nanorod-based piezoelectric stress sensor embedded within carbon fiber composite M. Culiolo , M. Villani, D. Delmonte, D. Calestani, N. Coppedè, M. Solzi, L. Marchini, R. Bercella, A. Zappettini, T.Y. Kim and S.W. Kim	Dr. Maurizio Culiolo , IMEM-CNR- Parma University, Italy
12:00-12:15	Effects of electrical breakdown on the photocurrent generation in thin-film single-walled carbon nanotubes W. Dumnernpanich , M. Spankaew, J. Jantawong, N. Penpondee, C. Hruanun and Y. Jompol	Mr. Weerapad Dumnernpanich , Mahidol University, Thailand

June 30th, 2017

Session IV-2: NanoBioMedecine /Nanosafety

Conference Room 508

Session's Chairs:

Prof Chia-Ching Chang, National Chiao Tung University, Taiwan

Prof. Mathias Brust, University of Liverpool, UK

09:00-09:30	Nanopores: Transistors for Ions in Solution J. Feng	Dr. Jiandong Feng , Ecole Polytechnique Fédérale Lausanne, Switzerland
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09:30-10:00	Innovative materials for active food packaging: antimicrobial release from inorganic carrier embedded into biodegradable composites M. Stanzone, F. Tescione, P. Cerruti, M. Lavorgna, G.G. Buonocore	Dr. Giovanna G. Buonocore Institute of Polymers, Composites and Biomaterials (IPCB)- Naples, Italy
10:00-10:30 Coffee Break / Exhibition		
10:30-10:45	Colloidal characterization of surface modified CuO nanosuspensions in media relevant for nano (eco) toxicology S. Ortelli , M. Blosi, I. Zanoni, C. Baldisserri and A. L. Costa	Dr. Simona Ortelli , Institute of Science and Technology for Ceramics-CNR, Italy
10:45-11:00	Gold nanoparticles induce mitochondrial dysfunction in monocytic THP.1 cells: a combined transcriptomics and proteomics approach A. Gallud , S. Katayama, A.J. Ytterberg, T. Skoog, N.K. Tarasova, V. Gogvadze, S. Moya, J. Ruiz, D. Astruc, R.A. Zubarev, J. Kere and B. Fadeel	Dr. Audrey Gallud , Karolinska Institutet, Sweden
11:00-11:15	Fabrication of hieratically porous calcium carbonate scaffolds for bone tissue engineering S.K. Sharma , A.D. Woldetsadik, M. Magzoub and R. Jagannathan	Dr. Sudhir Kumar Sharma , New York University Abu Dhabi, UAE .
11:15-11:30	Biocompatible scaffolds for tissue regeneration G. Panella , A.C. Dhez, F. Giansanti, G. Fioravanti, L. Ottaviano, F. Angelucci, L. Di Leandro, L. Cristiano, A. Cimini and R. Ippoliti	Ms. Gloria Panella , University of L'Aquila, Italy
11:30-11:45	Creating a discovery solution for nanotechnology – Challenges & Prospects A. Gheisi , W. Chiuman, P. Roy and J. Xiao	Dr. Amir Gheisi , Springer Nature, Germany
11:45-12:00	Hinokinin and Cubebin loaded PLGA and PLGA-co-PEG nanoparticles: Synthesis and Characterization R. G. Lima , M. T. Barros and R. S. Laurentiz	Ms. Regiane Lima , Nova University of Lisbon, Portugal

Posters Session I: June 28th, 2017
Nanotech France 2017: Nanomaterials synthesis, characterization/Nanometrology and properties

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
1	Light-Matter Strong Coupling in Liquid Fabry-Perot Nanocavities H. Bashoun , A. Thomas, T. Chervy, K. Börjesson, J. George, E. Devaux, C. Genet, J. Hutchison and T.W. Ebbesen	Mr. Hadi Bahsoun , University of Strasbourg, France
2	The effect of Al ₂ O ₃ addition on ZrO ₂ -Al ₂ O ₃ nanoceramics formation and their properties I.Koltsov, M. Malysa , J. Wojnarowicz, A. Rogowska, G. Kimmel and W. Łojkowski	Ms. Maria Malysa , Institute of High Pressure Physics of the Polish Academy of Sciences, Poland
3	Synthesis of core-shell structured Tungsten nanopowder/Copper nanoparticle by inductively coupled thermal plasma process K-H. Kim , H. Choi and C.Han	Dr. Kyou-Hyun Kim , Korea Institute of Industrial Technology, Rep. of Korea
4	Fabrication of Single-Walled Carbon Nanotube/Graphene Hybrid structure using Alcohol Catalytic Chemical Vapor Deposition T. Maruyama , R. Ghosh, Y. Iwashige, S. Ogawa, T. Saida, S. Naritsuka and S. Iijima	Prof. Takahiro Maruyama , Meijo University, Japan
5	Correlation between property and an electric field-induced network of graphene nanoplatelets in poly (lactic acid) O. Kwon, H. Watanabe, K. Ahn and S. Lee	Prof. Kyung Hyun Ahn , Seoul National University, Rep. of Korea
6	Structural and Thermal Characteristics of Graphites Treated in Alkaline or Acidic Solution W. Oh	Prof. Weontae Oh , Dong-Eui University, Rep. of Korea
7	Aligned graphene nanosheets for highly efficient flexible field emitters H.Y. Kim , S.Y. Jeong, J.T. Han, G-W. Lee, M.S. Jeong and H. Jin Jeong	Mr. Ho Young Kim , Korea Electrotechnology Research Institute, Rep. of Korea
8	Microwave-induced ultrafast heating for intrinsic properties of graphene on plastic substrates H.J.Jeong , J-W. Lee, H-S. Yang, S.Y. Jeong, J. T. Han and G-W. Lee	Dr. Hee Jin Jeong , Korea Electrotechnology Research Institute, Rep. of Korea
9	Luminescence of K ₂ SiF ₆ :Mn ⁴⁺ prepared by redox precipitation M.H. Im and Y.J. Kim	Mr. Min Hyuk Im , Kyonggi University, Rep. of Korea
10	Influence of Au nanoparticles on the performance of green quantum dot light emitting diodes (QLEDs) J.M. Kim , H. I. Lee and J. Kim	Mr. Jae Min Kim , Kyonggi University, Rep. of Korea
11	Tuning the Optical Response of Hybrid Colloidal Plasmonic-Photonic Crystals via Colloidal Etching C. A.Țira , S. Aștilean, R. A. L. Vallee and C. Farcau	Mr. Cristian Alexandru Țira , Babeș-Bolyai University, Romania
12	Fabrication of Novel Nanointerfaces on a Gold Thin Film and Their Applications for Gas Biosensor J; Kim, Y; Choi and S. Hong	Prof. Surin Hong , CHA University, Rep. of Korea
13	Multifunctional Supramolecular Nanoplatforms for Sensory and Delivery Applications J. Lee and C. Kim	Prof. Chulhee Kim , Inha University, Rep. of Korea
14	Characterization of large-scale self-organization in novel semiconducting polythiazoles M. Urdanpilleta , J. Jäger, N. T. Yimga, E. von Hauff and F. Pammer	Dr. Marta Urdanpilleta , University of the Basque Country (UPV/EHU), Spain
15	Using magnetosomes nanoparticles from magnetotactic bacteria as a therapeutic substance for magnetic hyperthermia treatment against brain tumors C. Mandawala , I. Chebbi, M. Durand-Dubief, R. Le Fevre, Y. Hamdous, F.Guyot and E. Alphanđéry	Ms. Chalani Mandawala , Muséum National d'Histoire Naturelle/ University Pierre et Marie Curie, France
16	Insect repellent nanocapsules with improved thermal and mechanical properties M.M. Sánchez-Navarro , M.A. Martínez-Sánchez and F. Arán-Aís	Dr. Magdalena Sánchez , INESCOP-Centre for Technology and Innovation, Spain .

17	Corrosion Resistance of Mg-Al LDH Nanocontainer-Equipped Mg(OH) ₂ Film Formed on Magnesium Alloys by Steam Coating A. Serizawa , Y. Hirai, T. Kim and T. Ishizaki	Prof. Ai Serizawa , Shibaura Institute of Technology, Japan
18	Dynamic Response of Ti-based Metallic Glasses under Brazilian Disc Test Conditions P. H. Lin, L.Tsai and S-H. Wang	Prof. Liren Tsai , Yunlin University of Science and Technology, Taiwan
19	Water droplet behavior on surfaces covered with two types of organic silane molecules with different alkyl-chain length T. Ishizaki , S.Hisada and A. Takada	Prof. Takahiro Ishizaki , Shibaura Institute of Technology, Japan
20	Supercritical Water Synthesized Polyaniline/reduced Graphene Oxide-Based Composites for Room Temperature ppb-Level Ammonia Gas Sensing S-H. Wang , J-H. Wang and L. Tsai	Prof. Shih-Han Wang , National Yunlin University of Science and Technology, Taiwan
21	FeNi Electrodeposited on Meso and Macroporous Silicon S. Ouir , G. Fortas, S. Sam and N. Gabouze	Dr. Souad Ouir , University Saad Dahlab Blida, Algeria
22	Fabrication and Dispersion of Super-paramagnetism Magnetite Nano Powder using Co-Precipitation Method for Magnetic Fluid. J-K. Park , H-J. Choi, J-H. Park, T-Y. Kim, S-H. Kim, S-W. Kim, J-W. Lee, S-H. Shin, J-H. Park, H-S. Park, Y-S. Oh, S-J. Suh	Mr. Jung-Kab Park , Sungkyunkwan University, Rep. of Korea

Posters Session II: June 29th, 2017
Nanotech France 2017: NanoBioMedecine/Nanosafety

Exhibition and Poster Hall

1	Biodegradable Polymer Nanosheets Incorporated with Nano-Containers as Dressing for Burn Wound Healing S.A. Kulinich , M.H.Q. bin Ishak, Y. Okamura and S. Iwamori	Dr. Sergey Kulinich , Tokai University, Japan
2	Surface Charge-Switchable Theranostic Nanoparticles Capable of Active Penetration into Deep Tumor Tissues for Photothermal/Chemo Combinational Therapy H.C. Chiu and W.H. Chiang	Prof. Hsin-Cheng Chiu , National Tsing Hua University, Taiwan
3	Gel Formulations Containing Chitosan-Silver Sulfadiazine Polymeric Micelles: Preparation, Characterization and In Vitro Drug Release Studies S. Gürcan , M. Arıcı, M.C. Bonferoni, B. Erač and Ö. Özer	Ms. Serra Gürcan , Ege University-Izmir, Turkey
4	DNA and proteins binding and dispersion activities of titanium dioxide and cerium dioxide nanoparticles P. Łabuz , W. Macyk and G. Stochel	Mr. Przemysław Łabuz , Jagiellonian University, Poland
5	DNA-binding drug screening by novel palladium nano thin-film electrodes C-Y. Chang , W. Chen, C-H. Su, G-C. Hsu, C-C. Chang	Dr. Chia-Yu Chang , National Chiao Tung University, Taiwan
6	Echinococcus granulosus antigens encapsulation for the development of a nanovaccine. C. Silvarrey , U. Benavides, E. Almouazen, S. Briançon and A. Esteves	Ms. María Cecilia Silvarrey , Republic University of Uruguay, Uruguay
7	Real-time investigation of nanoparticle circulation in blood-stream of living animals using magnetometry I.V. Zelepukin , M.P. Nikitin, P.I. Nikitin and S.M. Deyev	Mr. Ivan Zelepukin , Moscow Institute of Physics and Technology, Russia
8	Therapeutic Potential of A Cell Penetrating Peptide (CPP, NP1) Mediated siRNA Delivery: Evidence in 3D Spheroids of Colon Cancer Cells K. Al-Husaini , X. Han, A. Elkamel and P. Chen	Ms. Khalsa Al Husaini , Sultan Qaboos University, Sultanate of Oman .
9	Photodynamic Inactivation of Plasmodium falciparum from erythrocytes by Photo-induced Reactive Oxygen Species K. K. Wang and Y. R. Kim	Prof. Kang-Kyun Wang , Yonsei University, Rep. of Korea
10	Nanoparticles for bioseparation and detection with application in cell electroporation O. Nedelcu , O. Cinteza, D. Stan, M. Mihailescu, B. Bită, E. Vasile and R. Radu	Dr. Oana Nedelcu , National Institute for Research and Development IMT Bucharest, Romania

11	Capsular- and Planar-Scaffold for Clustering and Oriented Immobilization of Sensing Molecules M. Iijima and S. Kuroda	Dr. Masumi Iijima , Osaka University, Japan
12	Nano Composite Chiral Hydrogel For Cell-Cell Separation A. Motealleh and N. Seda Kehr	Ms. Andisheh Motealleh , University of Münster, Germany
13	Studying the effects of pattern size and protein type on staphylococcus aureus adhesion H. Khateb and D. Sutherland	Ms. Heba Khateb , Aarhus University, Denmark
14	New Design on Denim Garment with the Synthesis of Nano-copper D. Zarbaf , M. Montazer and A. Sadeghian Maryan	Mr. Dara Zarba , Islamic Azad University, Iran
15	Microscale Thermophoresis to Diagnose alpha1-Antitrypsin Deficiency Disorder in Plasma E.V. Edeleva , T. Dau, A.I.S. Seidel, D. Jenne and D. Braun	Ms. Evgeniia Edeleva , Ludwig Maximilians University München, Germany
16	Bioengineered 3D Skin with biodegradable Poly (lactic acid)-poly (ethylene glycol) Encapsulated Interleukin-10 to Avoid Immune Rejection S. Dixit, R. Sahu, S.R. Singh and V.A. Dennis	Dr. Vida A. Dennis , Alabama State University, USA
17	Implementation of a new computational strategy in the design of more effective molecularly imprinted polymers G. AITaher and T.M. Madkour	Ms. Ghada Al Taher Abdel Hamed , American University in Cairo, Egypt
17 bis	GRPr-Targeted Gold Nanoparticles for Multimodal Imaging F. Silva , L. Gano, S. Lacerda, E. Toth, A. Pallier, S. Mème, R. Kannan, A. Paulo and M.P.C. Campello	Dr. Francisco Silva , University of Lisbon, Portugal

Posters Session II: June 29th, 2017

Nanotech France 2017: NanoMaterials for Energy and Environment/ Nanoelectronics/ NanoPhotonics

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
18	All solid-state planar MoOx/Ag micro-supercapacitors with high performance M-X. Jiang, K. Teng and S-W. Lee	Prof. Sheng-Wei Lee , National Central University, Taiwan
19	Thermoelectric Properties of Zinc Antimonide Thin Film C. Woo , H. Shim and S. Han	Dr. Changsu Woo , Korea Institute of Machinery & Materials, Rep.of Korea
20	Electrochemical sensing of pesticides on disposable screen printed electrodes to detect water and environmental contamination J. S. Noori , M. Dimaki, J. Mortensen and W. E. Svendsen	Mr. Jafar Noori , Technical University of Denmark, Denmark
21	A study on the modification of cellulose acetate membranes with graphene oxide nanofillers for water treatment M. Mohamed , A. Esawi and R. Ramadan	Mrs. Madina Mohamed , The American University in Cairo, Egypt
22	Control of Variable Speed Wind Turbine for A Stand Alone Load A. Dahbi , A. Reama, N. Nait-Said and M. Nait-Said	Dr. Abdeldjalil Dahbi , University of Paris-Est, France
23	Ultrathin vertical plasmonic gaps A. Manzi , L. Emeric, A.S. Urban, J. Feldmann, J.-L. Pelouard and C. Deeb	Ms. Aurora Manzi , Ludwig-Maximilians-University- Munich, Germany
24	Fabrication of magnetic vortex memory cell M. Dhankhar , J. Sadilek, M. Urbanek and T. Sikola	Ms. Meena Dhankhar , Brno University of Technology, Czech Republic
25	Effects of carbon dots on the growth of nanostructured NiCo2S4 with different morphologies Y. Huang , T. Shi and Z.Tang	Ms. Yuanyuan Huang , Huazhong University of Science and Technology, China
26	Synthesis, Characterization and Application of Chitosan Beads-Supported Fe/Ag Bimetallic Nanoparticles for the Removal of Cadmium from Aqueous Solution C. van der Horst , B. Silwana, M. Makombe, E. Iwuoha and V. Somerset	Dr. Charlton Van der Horst , University of the Western Cape, South Africa
27	Environmental Remediation of water by novel CeO2 nanoparticle photoelectrocatalysts. R.Carvalho , A. Betts and J.Cassidy	Mrs. Rafaela Carvalho , Dublin Institute of Technology, Ireland

28	Experimental Investigations on the Physical Properties of Tin Doped Indium Oxide Thin Films H. Gueddaoui and M. Ghemid	Dr. Houria Gueddaoui , USTHB University, Algeria
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