

Registration Opening for all conferences Nanotech France 2016, EGF 2016, NanoMatEn 2016 and NanoMetrology 2016

May 31st, 2016

15:00-18:00

Registration / Welcoming Cocktail Reception

Registration Area

Nanotech France 2016 Sessions Program

June 1st, 2016

08:30-12:00

Registration

Registration Area

09:00-12:45

Nanotech Plenary Session I

Amphitheatre H

09:00-12:45

Joint Symposium on Functional Hybrids and Clay Nanomaterials

Room 261

12:00-14:00

Lunch Break / Exhibition / Poster Session I

Restaurant / Main Hall

14:00-16:00

Session I: Nanomaterials Fabrication / Synthesis

Room 211

Session II - Nanomaterials synthesis and properties

Room 212

Joint Symposium on Functional Hybrids and Clay Nanomaterials

Room 261

16:00-16:30

Coffee Break / Exhibition / Poster Session I

Main Hall

16:30-19:00

Session I: Nanomaterials Fabrication / Synthesis

Room 211

Session II - Nanomaterials synthesis and properties

Room 212

Joint Symposium on Functional Hybrids and Clay Nanomaterials

Room 261

June 2nd, 2016

09:15-12:45

Nanotech Plenary session II

Amphitheatre H

10:00-10:30

Coffee Break / Exhibition / Poster Session II

Main Hall

10:30-12:45

Session III: NanoBioMedecine /Nanosafety

Room 508

12:00-14:00

Lunch break / Exhibition / Poster session II

Restaurant / Main Hall

14:00-16:00

Session III: NanoBioMedecine /Nanosafety

Room 508

16:00-16:30

Coffee break / Exhibition / Poster session II

Main Hall

16:30 -19:00

Session III: NanoBioMedecine /Nanosafety

Room 508

18:30-20:30

Networking Cocktail – Meet Elsevier Team

Main Hall

June 3rd, 2016

09:00-10:00

Session IV: NanoElectronics/NanoPhotonics

Room 211

Industrial session: InnovNano France 2016

Room 508

10:00-10:30

Coffee Break + Exhibition

Main Hall

10:30-13:00

Session IV: NanoElectronics/NanoPhotonics

Room 211

Industrial session:InnovNano France 2016

Room 508

NanoMetrology France 2016 Sessions Program

June 1 st , 2016		
08:30-12:00	Registration	Registration Area
09:00-12:45	Nanotech Plenary Session I	Amphitheatre H
10:30-11:00	Coffee Break / Exhibition / Poster Session II	Main Hall
11:00-12:45	Session I: Nanomaterials characterization	Room 508
	Symposium on Nanospectroscopy	Room 561
12:00 - 14:00	Lunch Break / Exhibition / Poster Session I	Restaurant / Main Hall
14:00 16:00	Session I: Nanomaterials characterization	Room 508
	Symposium on Nanospectroscopy	Room 561
16:00 -16:30	Coffee Break / Exhibition / Poster Session I	Main Hall
16:30 19:00	Session I: Nanomaterials characterization	Room 508
	Symposium on Nanospectroscopy	Room 561

June 2 nd , 2016		
09:15-12:45	Nanotech Plenary session II	Amphitheatre H
09:00-10:00	Symposium on Detection, location & quantification Nano	Room 511
10:00 - 10:30	Coffee Break / Exhibition / Poster Session II	Main Hall
10:30 -12:45	Symposium on Detection, location & quantification Nano	Room 511
12:00 -14:00	Lunch break / Exhibition / Poster session II	Restaurant / Main Hall
14:00 -16:00	Symposium on Detection, location & quantification Nano	Room 511
16:00 - 16:30	Coffee break / Exhibition / Poster session II	Main Hall
16:30 -19:00	Symposium on Detection, location & quantification Nano	Room 511
18:30 -20:30	Networking Cocktail – Meet Elsevier Team	Main Hall

NanMaterials for Energy and Environment - NanoMatEn 2016 Sessions Program

June 1 st , 2016		
08:30-12:00	Registration / Welcome Coffee	Registration Area
09:00-12:45	Nanotech Plenary Session I	Amphitheatre H
12:00-14:00	Lunch Break / Exhibition / Poster Session I	Restaurant / Main Hall
June 2 nd , 2016		
08:30-12:45	Nanotech Plenary session II	Amphitheatre H
10:30-11:00	Coffee Break / Exhibition / Poster Session II	Main Hall
10:30-12:45	NanoMatEn 2016 Session I: NanoEnergy	Room 211
	NanoMatEn 2016 Session II: Nanotechnology for Environmental	Room 212
12:00-14:00	Lunch break / Exhibition / Poster session II	Restaurant / Main Hall
14:00-16:00	NanoMatEn 2016 Session I: NanoEnergy	Room 211
	NanoMatEn 2016 Session II: Nanotechnology for Environmental	Room 212
	Symposium on Nanotechnology for Photovoltaics	Room 260
16:00-16:30	Coffee break / Exhibition / Poster session II	Main Hall
16:30-19:00	NanoMatEn 2016 Session I: NanoEnergy	Room 211
	NanoMatEn 2016 Session II: Nanotechnology for Environmental	Room 212
	Symposium on Nanotechnology for Photovoltaics	Room 260
18:30-20:30	Networking Cocktail – Meet Elsevier Team	Main Hall
June 3 rd , 2016		
08:30-10:30	NanoMatEn 2016 Session III: Nanotechnology for water treatment	Room 561
10:30-11:00	Coffee Break / Exhibition	Main Hall
11:00-13:00	NanoMatEn 2016 Session III: Nanotechnology for water treatment	Room 561

European Graphene Forum - EGF 2016 Sessions Program

June 1 st , 2016		
08:30-12:00	Registration / Welcome Coffee	Registration Area
09:00-10:30	EGF2016 Plenary Session I	Amphitheatre G
10:30-11:00	Coffee Break / Exhibition / Poster Session II	Main Hall
11:00-12:45	EGF2016 Plenary Session I	Amphitheatre G
12:45-14:00	Lunch Break / Exhibition / Poster Session I	Restaurant / Main Hall
14:00-16:00	EGF 2016- Session I: Graphene and 2D Materials Synthesis, characterization and properties	Amphitheatre G
16:00-16:30	Coffee Break / Exhibition / Poster Session I	Main Hall
16:30-19:00	EGF 2016- Session I: Graphene and 2D Materials Synthesis, characterization and properties	Amphitheatre G

June 2 nd , 2016		
09:15-12:45	EGF 2016 Plenary Session II	Amphitheatre G
10:30-11:00	Coffee Break / Exhibition / Poster Session II	Main Hall
10:30-12:45	EGF 2016 Plenary Session II	Amphitheatre G
12:00-14:00	Lunch break / Exhibition / Poster session II	Restaurant / Main Hall
14:00-16:00	EGF 2016- Session II: Graphene and 2D Materials characterization and properties	Amphitheatre G
	EGF 2016- Session III: Graphene and 2D Materials properties and applications	Room 561
16:00-16:30	Coffee break / Exhibition / Poster session II	Main Hall
16:30-19:00	EGF 2016- Session II: Graphene and 2D Materials characterization and properties	Amphitheatre G
	EGF 2016- Session III: Graphene and 2D Materials properties and applications	Room 561
18:30-20:30	Networking Cocktail – Meet Elsevier Team	Main Hall

June 3 rd , 2016		
08:30-10:00	EGF 2016- Session IV: Graphene and 2D Materials applications	Room 511
10:00-10:30	Coffee Break / Exhibition	Main Hall
10:30-13:00	EGF 2016- Session IV: Graphene and 2D Materials applications	Room 511

Nanotech France 2016 Conference Preliminary Program

June 1st, 2016 Nanotech Plenary session I		
Amphitheatre H		
Session's Chairs: Prof. Jupille Jacques, Institut des Nanosciences de Paris - France. Prof. James M Hill, University of South Australia – Australia		
08:30-12:00 Conferences Registration		
09:00-09:30	Club nanoMetrology: a French Initiative to improve the Reliability of Measurements at the Nanoscale. A review after 4 years. G. Favre , K. Aguir, D. Bernard, O. Bezencenet, J. Carimalo, N. Feltin, B. Gautier, A. Levenson, T. Macé, P. Maillot and J.-M. Moschetta	Dr. Georges Favre , Laboratoire national de métrologie et d'essais (LNE) – France
09:30-10:00	European standardization in nanotechnologies and relation with International work. How standardization can help industry and regulators in developing safe products? P. Conner	Mr. Patrice Conner , AFNOR Standardization, Management and Consumer Services Dep- France
10:00-10:30	Mathematical modelling in nanotechnology J. Hill	Prof. James M Hill , University of South Australia – Australia
10:30-11:00 Coffee Break / Exhibition/ Posters Session I		
11:00-11:30	Water collection/Repellency of Bioinspired Micro/Nano-structured Surfaces Y. Zheng	Prof. Yongmei Zheng , Beihang University – China
11:30-12:00	Ultrasonic Spray Coating as a versatile technique for the large area deposition of functional nanoparticles J. Stryckers and W. Deferme	Prof. Wim Deferme , Hasselt University - Belgium
12:00-12:30	High-speed Tip-Enhanced Raman Imaging of Nanomaterials M. Chaigneau, A. V. Krayev, O. Lancry and S. A. Saunin	Dr. Marc Chaigneau , HORIBA Scientific- France
12:30-12:45	Challenges of cellulose nanocrystal metrology L.J. Johnston and Z.J. Jakubek	Dr. Linda J. Johnston , Measurement Science and Standards- National Research Council- Canada
12:45-14:00 Lunch Break / Exhibition / Posters session I		

June 1st, 2016 Session I: Nanomaterials Fabrication / Synthesis		
Conference Room 211		
Session's Chairs: Prof. Jacques Jupille, Institut des Nanosciences de Paris – France Prof. Nicolas Fressengeas, Lorraine University – France Dr. Valentina Beghetto, Ca' Foscary, University of Venice – Italy Prof. Valentin Rodionov, King Abdullah University of Science and Technology - Saudi Arabia		
14:00-14:15	Rational Synthesis of Chirality-Pure Single Walled Carbon Nanotube K.Yu. Amsharov	Dr. Konstantin Amsharov , University of Erlangen-Nürnberg – Germany
14:15-14:30	New frontiers and technologies for advanced materials V. Beghetto , L. Agostinis, R. Taffarello and R. Samiolo	Dr. Valentina Beghetto , University of Venice - Italy

14:30-14:45	Weak interactions for strong complexation between DNA nano-rods and lipids L. Navailles , K. Bougis, R. Leite Rubim, N. Ziane, J. Peyencet, A. Bentaleb, A. Février, B.B. Gerbelli, C.L.P. Oliveira, A. de Oliveira, . Schoentgen, G. Tonelli, P. Barthélémy and F. Nallet	Dr. Laurence Navailles , CNRS/ Bordeaux University, France
14:45-15:00	Repeat proteins as template to organize photoactive molecules S. Hernández Mejías , J. López-Andarias, K. Erazo, C. Atienza, N. Martín and A.L. Cortajarena	Ms. Sara Hernández , IMDEA-Nanociencia, Madrid - Spain
15:00-15:15	Chemical Reactions Directed Evolution of Complex Peptide Nanostructures A.K. Das	Dr. Apurba K. Das , Indian Institute of Technology Indore- India
15:15-15:30	Metal nanoparticles for optical limiting prepared via citrate reduction C. S. Hege , S. Dengler and B. Eberle	Ms. Cordula Hege , Fraunhofer IOSB – Germany
15:30-15:45	Shape and Pore Size Controlled Scalable Synthesis of Functional Oxide Nanostructures through Exothermic Chemical Reactions A. Voskanyan and K.Y. Chan	Mr. Albert Voskanyan , The University of Hong Kong - Hong Kong
15:45-16:00	Ultrasonic Spray Coating as a scale-up technique for the deposition of hybrid magnetic-plasmonic nanocomposites J. Stryckers , T. Swusten, W. Brullot, J. D'Haen, T. Verbiest and W. Deferme	Mr. Jeroen Stryckers , Hasselt University - Belgium
16:00-16:30	Coffee Break / Exhibition/ Posters Session I	
16:30-16:45	The Development and Application of Vacuum-interconnected Technology for Nanofabrications S. A. Ding and H. Yang	Dr. Sunan Ding , SuZhou Institute of Nano-Tech and Nano-Bionics / Chinese Academy of Sciences – China
16:45-17:00	Functionalization of single wall carbon nanotube for cesium sorption H. Draouil , L. Alvarez, J. Cambedouzou, M. A. Zaibi and J.-L. Bantignies	Ms. Hajer Draouil , Tunis University - Tunisia
17:00-17:15	Development of a new direct liquid injection system for nanoparticle deposition by chemical vapor deposition using nanoparticle solutions M. Vervaele , B. De Roo, M. Rajala, H. Guillon, J.W. Seo and J.P. Locquet	Mr. Mattias Vervaele , KU Leuven - Belgium
17:15-17:30	Composite production for Cold Gas Spray and photocatalytic behavior of the multifunctional coatings S. Dosta , M. Robotti, I. G. Cano, N. Cinca, A. Concustell, J. M. Guilemany	Dr. Sergi Dosta , University of Barcelona - Spain
17:30-17:45	Application of Spark discharge method for in situ synthesis of copper nano particles on cotton fabrics S. Shahidi , A. Jamali 2, S.D. Sharifi and H. Ghomi	Dr. Sheila Shahidi , Islamic Azad University- Iran
17:45-18:00	Controlled resonance energy transfer under one- and two-photon excitations in a hybrid material engineered from quantum dots and the photosensitive protein bacteriorhodopsin V. Krivenkov , P. Samokhvalov, R. Bilan, D. Solovyeva, A. Chistyakov and I. Nabiev	Mr. Victor Krivenkov , National Research Nuclear University - Russian Federation
18:00-18:15	Microwave Assisted Synthesized ZnO nanorods arrays on Tetrapak Substrate A. Pimental , B. Coelho, S. Ferreira, A. Araújo, D. Nunes, M. Oliveira, R. Franco, H. Águas, R. Martins and E. Fortunato	Dr. Ana Pimentel , Universidade NOVA de Lisboa - Portugal
18:15-18:30	Fabrication of Metal Nanotubes via Short-Circuit Diffusion Process and The Diffusion Model S. Baylan , E. Rabkin and G. Richter	Mrs. Semanur Baylan , Max Planck Institute for Intelligent Systems- Germany

18:30-18:45	Design and characterization of nanowired microwave devices in substrate integrated waveguide technology V. Van Kerckhoven , L. Piraux and I. Huynen	Mr. Vivien Van Kerckhoven , Université catholique de Louvain - Belgium
18:45-19:00	G-doping in Thin Si Nano-grating Layers A. Tavkhelidze, L. Jangidze, M. Mebonia , G. Skhiladze, D. Ursutiu, C. Samoila, Z. Taliashvili, and L. Nadaraia	Mr. Mikheil Mebonia , Ilia State University- Germany
June 1st, 2016		
Session II - Nanomaterials synthesis and properties		
Conference Room 212		
Session's Chairs: Prof. Wim Deferme, Hasselt University – Belgium Prof. Yongmei Zheng, Beihang University – China Dr. Karine Bonnot, French German Research Institute of Saint-Louis – France Prof. Tahar Laoui, King Fahd University of Petroleum and Minerals- Saudi Arabia		
14:00-14:30	Surface-Engineered Mechanically Hard Tungsten Disulfide (WS ₂) Inorganic Nanotubes (INTs-WS ₂)– Novel Chemically Tailored Nanoscale CNT-Replacement Inorganic “Nanofillers” J.-P. Lellouche , D. Raichman and J. Laloy	Prof. Jean-Paul Lellouche , Bar-Ilan University - Israel
14:30-14:45	Reinforcing Acrylonitrile Rubber With Graphene: Inspection of Mechanical, Thermal and Cure Kinetics Properties B. Mensah and C. Nah	Mr. Bismark Mensah , Chonbuk National University - Rep. of Korea
14:45-15:00	Development of Flexural Properties in Woven-fabric/Epoxy Resin CFRP Panels with Additional Nano Rubber Particle Reinforcement J. Sirichantra , T. Pullawan, P. Lamo and S. Kumwongwian	Dr. Jariyavadee Sirichantra , Ministry of Science and Technology - Thailand
15:00-15:15	The effect of dispersion method and processing condition on the structure properties of polystyrene/graphene oxide nanocomposites Z. Mohammadsalih , B.J. Inkson and B. Chen	Mr. Zaid Mohammadsalih , University of Sheffield - UK
15:15-15:30	Hollow Nanoparticles for Applications in Lightweight Nano-composites V. Rodionov and T. Sainsbury	Prof. Valentin Rodionov , King Abdullah University of Science and Technology - Saudi Arabia
15:30-15:45	Functionalization and optical properties of inorganic liquid crystals M. Thiriet , K. Lahlil, J.P. Boilot, J. Peretti and T. Gacoin	Ms. Maud Thiriet , Ecole Polytechnique, CNRS – France
15:45-16:00	Chip Calorimetry for Investigating the Co-detection of Hexogen and Pentrite Vapors by Nanostructured Porous Materials K. Bonnot , L. Schlur and D. Spitzer	Dr. Karine Bonnot , French German Research Institute of Saint-Louis - France
16:00-16:30	Coffee Break / Exhibition/ Posters Session I	
16:30-16:45	Development of fire retardant treatment with silica nanoparticles to apply onto bio-based composite materials M. Bourebrab , G. Durand, A. Taylor, R. Hadden and L. Bisby	Ms. Marion Bourebrab , University of Edinburgh - UK
16:45-17:00	Resistive sensors from nanoparticle assemblies L. Baklouti and F. Favier	Ms. Linda Baklouti , University of Montpellier – France
17:00-17:15	Effect of nano Zinc oxide particles on weathering properties of epoxy coatings D. Shalini and A.S.Khanna	Mrs. Dolai Shalini , IIT Bombay – India
17:15-17:30	Facile Synthesis of Scalable Hierarchical Surfaced Titanium Di-oxide Hollow Sphere for Hydrogen Generation Application K.K. Jeremy Ang , B.Y.Liang Tan, J.Juay and D. Sun	Mr. Koon Keong Jeremy Ang , Nanyang Technological University – Singapore
17:30-17:45	Solid Cation-exchange Resin catalysed Esterification of Lactic Acid with Ethanol: A Novel Kinetic Study. E. Okon and G. Edward	Mrs. Edidiog Okon , The Robert Gordon University Aberdeen – UK

17:45-18:00	Resistive Switching in Self-ordered TiO ₂ Nanocolumn Arrays M. Marik , M. Bendova, J. Hubalek and A. Mozalev	Mr. Marian Marik , Brno University of Technology - Czech Republic
18:00-18:15	Formulation and Characterization of Garlic oil nanoparticles with enhanced Anti-Microbial Activities S. Fahmy and W. Mamdouh	Mr. Sherif Fahmy , The American University in Cairo – Egypt
18:15-18:30	Neutron radiation resistance of ferroelectric copolymer filled with Al ₂ O ₃ and ZnO nanoparticles S.Rouabah , B. Vincent, D.Rouxel, A.Chaabi, S.Girard, P. Paillet and M. Gaillardin	Ms. Sawsen Rouabah , Jean Lamour Institute – France
18:30-18:45	The Synthesis of Blue Colored Zirconia and Its Application on Automotive Industry A.Yurdakul and H. Gocmez	Dr. Arife Yurdakul , Dumlupinar University- Turkey
18:45-19:00	Effect of nanoclay on short term water absorption and swelling of composites made by wood poplar flour and recycled polystyrene A. Tavasoli , A. Samariha, M. Nemati and Z. Masoomi	Dr. Afshin Tavasoli , Islamic Azad University- Iran

June 1st, 2016

Nanotech France 2016: Joint Symposium on Functional Hybrids and Clay Nanomaterials

Conference Room 261

Session's Chairs:

Prof. Eduardo Ruiz-Hitzky and Dr. Pilar Aranda, Materials Science Institute of Madrid (ICMM-CSIC) - Spain

Prof. Alicia de Andrés, Materials Science Institute of Madrid (CSIC) - Spain

Dr Mercedes Vila, Ctechnano-coating technologies S.L - Spain

Dr. Vanessa Prevot, Blaise Pascal University - France

09:00-09:05	Welcome from the symposium chairs	Chairs
09:05-09:40	Clay-graphene nanocomposites E. Ruiz-Hitzky	Prof. Eduardo Ruiz-Hitzky , Materials Science Institute of Madrid (ICMM-CSIC) – Spain
09:40-09:55	Graphene / Ru nanostructure transparent hybrid systems for sensing applications L. Álvarez-Fraga, F. Jiménez-Villacorta , E. Climent-Pascual, R. Ramirez-Jiménez, C. Prieto and A. de Andrés	Dr. Felix Jimenez-Villacorta , Materials Science Institute of Madrid (CSIC) – Spain
09:55-10:10	Thermal properties of LDPE Graphene filled nanocomposites designed for HVDC cable accessories. K. Gaska , R. Hafizh Azhari, R. Kadar, M. Andersson and S. Gubanski	Dr. Karolina Gaska , Chalmers University of Technology – Sweden
10:10-10:30	Coffee Break / Exhibition/ Posters session I	
10:30-11:05	Multi-parameter monitoring of in vitro tissue models using organic electronics R.M Owens	Dr. Roisin Owens , Ecole des Mines de. St. Etienne – France
11:05-11:30	DNA-based bionanocomposites for gene transfer and biotechnological applications. F.A.Castro-Smirnov , O. Piétrement, P. Aranda, J. Ayache, E. Le Cam, J-R. Bertrand, B.S. Lopez and E.Ruiz-Hitzky	Prof Fidel A. Castro-Smirnov , University of Informatic Sciences – Cuba
11:30-11:55	In Vivo Multimodal Deep Tissue Imaging with Hybrid Nanostructures D. H. Ortgies , L. de la Cueva, B. del Rosal, F. Sanz-Rodríguez, N. Fernández, M. C. Iglesias-de la Cruz, G. Salas, D. Cabrera, F. J. Teran, D. Jaque and E. Martín Rodríguez	Dr. Dirk Ortgies , Autonomous University of Madrid – Spain

11:55-12:10	Magneto-photo-thermal Nanomaterials as Efficient Nanoheaters for Tumor Therapy A. Espinosa , R. Di Corato, J. Kolosnjaj-Tabi, M. Bugnet, G. Radtke, S. Neveu, G. A. Botton, P. Flaud, A. Abou-Hassan, T. Pellegrino and C. Wilhelm	Dr. Ana Espinosa , Paris Diderot University - France
12:10-12:25	Adsorption of diclofenac pharmaceutical product onto clay mineral and organoclay derivatives T. De Oliveira and R. Guégan	Mr. Tiago De Oliveira , Institut des Sciences de la Terre d'Orléans – France
12:45-14:00	Lunch Break / Exhibition / Posters session I	
14:00-14:25	Sepiolite-Nanocellulose Assembly as new Nanofibrous Hybrid Materials M. M. González del Campo, M. Darder , P. Aranda and E. Ruiz-Hitzky	Dr. Margarita Darder , Materials Science Institute of Madrid, CSIC-Madrid - Spain
14:25-14:40	Multi-enzyme/layered double hydroxide-based biohybrids for the synthesis of chiral polyols in cascade reaction F. Bruna Gonzalez , M. De Sousa, M. Lorillière, G. Ali, T. Gefflaut, V. de Berardinis, L. Pollegioni, W.-D. Fessner, C. Forano, V. Prévot, C. Mousty, F. Charmantray and L. Hecquet	Dr. Felipe Bruna Gonzalez , Blaise Pascal University - France
14:40-14:55	Biohybrids based on zein and montmorillonite: preparation and use as nanofiller in clay-based bionanocomposites A.C.S. Alcântara, M. Darder, P. Aranda and E. Ruiz-Hitzky	Dr. Pilar Aranda , Materials Science Institute of Madrid, CSIC-Madrid - Spain
14:55-15:30	Hybrid Photonics for Energy Efficiency P.G. Lagoudakis	Prof. Pavlos G. Lagoudakis , University of Southampton - UK
15:30-15:55	Plasmon assisted Nd ³⁺ -based solid-state nanolaser P. Molina, E. Yraola, M.O. Ramírez, C. Tserkezis, J.L. Plaza, J. Aizpurua, J. Bravo-Abad and L.E. Bausá	Prof. Luisa Bausá , Autonomous University of Madrid – Spain
15:55-16:15	Coffee Break /Exhibition/ Posters Session I	
16:15-16:40	MoSi ₂ -Si ₃ N ₄ Composite Absorber for Concentrated Solar Power (CSP) A. Rodríguez-Palomo, D. Hernández-Pinilla, E. Céspedes, L. Álvarez-Fraga, F. Jiménez-Villacorta, R. Jiménez-Riobóo and C. Prieto	Prof. Carlo Prieto , Materials Science Institute of Madrid (CSIC) – Spain
16:40-16:55	Hybrid photonic crystal LED renders 123% color conversion effective quantum yield M. Brossard , C. Krishnan, K.-Y. Lee, J.-K. Huang, C.-H. Lin, H.-C. Kuo, M. D. B. Charlton and P. G. Lagoudakis	Dr. Mael Brossard , University of Southampton – UK
16:55-17:10	ZnO-clay nanoarchitectures: preparation and uses as photocatalyst M. Akkari, P. Aranda , H. Ben Rhaiem, A. Ben Haj Amara and E. Ruiz-Hitzky	Dr. Pilar Aranda , Materials Science Institute of Madrid, CSIC-Madrid - Spain
17:10-17:40	Atomic and Molecular Layer Deposition of Hybrid Nanostructured Materials M. Vila	Dr. Mercedes Vila Juárez , CTECH Nano-Coating Technologies S.L – Spain
17:45-17:55	Maya Blue-Based Nanostructured Clay Materials for Colouring Geopolymers C.M. Ouellet-Plamondon , P. Aranda, A. Favier, G. Habert, H. Van Damme and E. Ruiz-Hitzky	Prof. Claudiane Ouellet-Plamondon , École de Technologie Supérieure – Canada
17:55-18:10	Multifunctional Metallic Janus MOF Particles Synthesized by the Desymmetrization at Interfaces Approach A. Ayala , I. Imaz and D. Maspoch	Mr. Abraham Ayala Hernández , Autonomous University of Barcelona - Spain
18:10-18:25	Nanoclays for adsorption of tartrazine: A sustainable application C. del Hoyo Martínez , M. S. Lozano García and V. Sánchez Escribano	Prof. Carmen del Hoyo Martínez , University of Salamanca – Spain

18:25-18:45	Intercalation and Retention of CO ₂ in Smectite Clays J.O. Fossum , L. Michels, H. Hemmen, G. N. Kalantzopoulos and K. D. Knudsen	Prof. Jon Otto Fossum , Norwegian University of Science and Technology- Norway
18:45-19:00	Study of synthetic talc growth by EXAFS: basic research to support technology transfer A. Dumas , M. Mizrahi, F. Martin, F. Requejo, M. Claverie, C. Aymonier	Dr Angela Dumas , Institut de Chimie de la Matière Condensée de Bordeaux (ICMCB) – France

June 2nd, 2016
Nanotech Plenary session II

Amphitheatre H

Session's Chairs:
Prof. Jupille Jacques, Institut des Nanosciences de Paris – France
Prof. Alejandro Pérez-Rodríguez, Catalonia Institute for Energy Research, IREC – Spain

09:15-10:00	DNA-controlled fusion of liposomes O.Ries, P.Löffler and S.Vogel	Prof Stefan Vogel , University of Southern Denmark - Denmark
10:00-10:30 Coffee Break / exhPosters Session		
10:30-11:15	Meeting the needs for aged and released nanomaterials required for further testing B. Nowack	Prof. Bernd Nowack , Empa, Swiss Federal Laboratories for Materials Science and Technology - Switzerland
11:15-12:00	Resonant Raman scattering methodologies for assessment of nanometric layers in high efficiency chalcogenide solar cells M. Guc, D. Hariskos, W. Hempel, F. Oliva, L. Calvo-Barrio, T, Jawhari, V. Izquierdo-Roca and A. Pérez-Rodríguez	Prof. Alejandro Pérez-Rodríguez , Catalonia Institute for Energy Research, IREC - Spain
12:00-12:30	Nanoscale Magnetic Skyrmions- A New twist for Spintronics R. Wiesendanger	Prof. Roland Wiesendanger , University of Hamburg – Germany
12:30-13:00	Publish books chapters with SETCOR, in collaboration with Elsevier.	Mr Simon Holt/ Mr Matthew Deans , Elsevier Publishing-UK
12:45-14:00 Lunch Break/ Exhibition/ Posters session II		

June 2nd, 2016
Session III: NanoBioMedecine/Nanosafety

Conference Room 508

Session's Chairs:
Prof. Danail Hristozov, University Ca' Foscari Venice – Italy
Dr. Nicklas Raun Jacobsen, National Research Centre for the Working Environment, Copenhagen – Denmark
Prof. Kevin Braeckmans, Ghent University - Belgium

10:30-11:00	Engineered cell wall binding domains of lysins for the multiplexed detection and rapid separation of food-borne pathogens M. Kong and S. Ryu	Prof. Sangryeol Ryu , Seoul National University - Republic of Korea
11:00-11:15	Room-temperature aqueous synthesis of ultra-small Cu ₂ -xSe nanoparticles for highly efficient photoacoustic imaging-guided photothermal cancer therapy S. Zhang , J. Xiong, L. Zhang, Z. Li and S. Dou	Mr. Shaohua Zhang , University of Wollongong - Australia.
11:15-11:30	Selective cancer cell toxicity and radiosensitization using mixed-oxide high atomic number nanoparticles S.Grellet , S. Kaas, E. Crabb, S. Allman and J.Golding	Ms Sophie Grellet The Open University - UK
11:30-11:45	Doxorubicin-loaded BN Nanoparticles for Cancer Therapy I.V. Sukhorukova , I.Yu. Zhitnyak, A.M. Kovalskii, N.A. Gloushankova, D.V. Golberg and D.V. Shtansky	Mrs. Irina Sukhorukova , National University of Science and Technology-Russia
11:45-12:00	Antimicrobial electrospun nanofibrous scaffolds for gingival fibroblast growth A. Baranowska-Korczyk , M. Jasiurkowska-Delaporte, B. Grześkowiak, M. Jarek, A. Warowicka, B. M. Maciejewska, J. Jurga-Stopa and S. Jurga	Dr. Anna Baranowska-Korczyk , Adam Mickiewicz University - Poland

12:00-12:15	Development of new biocompatible \square -Ti coatings on Ti6Al4V for medical applications E. Frutos and T. Polcar	Dr. Emilio Torres , Czech Technical University in Prague - Czech Republic
12:15-12:30	Wound healing evaluation of collagen-laminin dermal matrix E.H. Gokce , S. Tuncay-Tanriverdi, İ. Eroglu, N. Tsapis, I. Tekmen, E. Fattal and O. Ozer	Dr. Evren Homan Gökçe , University of Ege- Turkey
12:30-12:45	Nanostructured Copper Hydroxide on Graphene Pore Structure for Non-enzymatic Electrochemical Glucose Sensor I. Shackery and S. C. Jun	Mr. Iman Shackery , Yonsei University, Seoul - Rep. of Korea
12:45-13:00	An innovative detection platform to support nanomedicine characterisation and development C. Desmet , A. Valsesia, R. La Spina, P. Urban, F. Rossi and P. Colpo	Dr. Cloe Desmet , European Commission Joint Research Centre – Italy
12:45-14:00 Lunch Break / Exhibition / Posters session II		
14:00-14:30	Highly controlled delivery of macromolecules and contrast agents in living cells by laser-induced vapour nanobubbles R. Xiong, F. Joris, L. Wayteck, K. Raemdonck, K. Peynshaert, I. Lentacker, A. G. Skirtach and K. Braeckmans	Prof. Kevin Braeckmans , Ghent University - Belgium
14:30-14:45	Ultrasensitive Detection of Serum Biomarkers using a label-free Technique for Greater Therapeutic Efficacy S. A. Vance, M. G. Sandros and N. Vollmer	Dr. Nathalie Vollmer , HORIBA Scientific- France
14:45-15:00	Imidazolium-derived nanostructures for drug delivery M. Rodrigues , E. Amirthalingam, D. Limón, A. Calpena, D. B. Amabilino and L. Pérez-García	Dr. Mafalda Rodrigues , Barcelona University – Spain
15:00-15:15	The development and evaluation of a novel hybrid PLGA nanoparticle-Pheroid® system with the potential to improve tuberculosis therapy M.P. Chelopo , L. Kalombo, J. Wesley-Smith, B. Naicker, M. Glyn, A. Grobler and R. Hayeshi	Ms. Madichaba P Chelopo , North-West University and CSIR - South Africa
15:15-15:30	A novel SPION-eicosane coating material for on-demand drug release triggered by magnetic hyperthermia L. Che Rose , A.G. Mayes and H. Suhaimi	Dr. Laili Che Rose , Malaysia Terengganu University – Malaysia
15:30-15:45	Morphology effect of mesoporous silica nanoparticles on drug delivery S. Rahmani , L. Lichon, M. Maynadier, M. Garcia, M. Gary-Bobo, M. Ferid, C. Charnay and J.O. Durand	Ms. Saher Rahmani , Institut Charles Gerhardt Montpellier University - France
15:45-16:00	Application of samarium oxide to evaluate the in vivo bio-distribution of PLGA nanoparticles V. Mandiwana , L. Kalombo, J.R. Zeevaart and A. Grobler	Ms. Vusani Mandiwana , CSIR, North West University - South Africa
16:00-16:15	Efficient drug delivery with synthesized mitoxantrone-gold nanoparticle conjugates for in vitro breast cancer therapy A. Jafarizad , S. gharibian, G. Pavon-Djavid and D. Ekinci	Dr. Abbas Jafarizad , Sahand University of Technology- Iran .
16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-17:00	Toxicology: Pulmonary and systemic toxicity caused by nanoparticles NR. Jacobsen	Dr. Nicklas Raun Jacobsen , National Research Centre for the Working Environment-Copenhagen - Denmark
17:00-17:15	Overview of available data of occupational exposure to manufactured nanomaterials, approaches and needs S. Bau and O. Witschger	Dr. Sébastien Bau , Institut National de Recherche et de Sécurité- France
17:15-17:30	Measurement of airborne engineered nanoparticles M. Levin	Dr. Markus Levin , National Research Center for the Working Environment - Denmark
17:30-17:45	Evaluation of Dithizone-Based Colorimetric Sensors for Silver Nanoparticles in Aqueous Media N. Wasukan , S. Srisung, M. Kuno, K. Kulthong and R. Maniratanachote	Dr. Nootcharin Wasukan , Srinakharinwirot University - Bangkok-Thailand

17:45-18:00	Drosophila melanogaster as a suitable in vivo model to determine potential side effects of nanomaterials M. Alaraby , A. Hernández and R. Marcos	Mr. Mohamed Alaraby , Autonomous University of Barcelona – Spain
18:00-18:15	Determination for Stability Constant of Silver-DMSA Nanoparticles S. Srisung , N. Wasukan, K. Kulthong and R. Maniratanachote	Dr. Sujitra Srisung , Srinakharinwirot University- Thailand
18:15-18:30	Legal Metrology Framework for Nanotechnology in Australia S. Devasahayam	Dr. Sheila Devasahayam , Federation University Australia, Victoria – Australia
18:30-18:45	Effects of Different Printing Ink Binders on Printability and Biodegradability of Polylactic Acid Film S. Netpradit , S. Binraman and C. Ladmai	Dr. Suchapa Netpradit , King Mongkut's University of Technology Thonburi - Thailand
18:45-19:00	Effect of the supply air supporting the shaping of the exhaust air flow during the processing of nanomaterials T. Jankowski	Mr. Tomasz Jankowski , Central Institute for Labour Protection – National Research Institute – Poland
19:00-19:15	High stability metal nanoparticles for healthcare applications E. El-Meliegy	Prof. Emad El-Meliegy , National Research Centre- Egypt

June 3rd, 2016

Session IV: NanoElectronics/NanoPhotonics

Conference Room 211

Session's Chairs:

Prof. Philippe Godignon, CNM-CSIC Barcelone-Spain – France

Prof. Aurica Farcas, "Petru Poni" Institute of Macromolecular Chemistry – Romania

09:00-09:15	Density of states and electrical properties of nanocrystalline Co ²⁺ and Ta ⁵⁺ substituted barium bismuth niobate P. Dhak , A.Kundu, M.K. Adak, D. Dhak and A.O. Sjøstad	Dr. Prasanta Dhak , University of Oslo – Norway
09:15-09:30	Self-powered high photoresponse ultraviolet photodetector based on dual ion beam sputtered Ga doped ZnO P. Sharma, R.Singh, R. Bhardwaj, and S. Mukherjee	Prof. Shaibal Mukherjee , Indian Institute of Technology, Indore – India
09:30-09:45	Perovskite Oxide Spin Filters B. Prasad and M.G. Blamire	Dr. Bhagwati Prasad , Max Planck Institute for Solid State Research- Stuttgart - Germany
09:45-10:00	New fundamental effects in single molecular circuitry A.C. Aragonès , N. Darwish, F. Sanz, E. Ruiz and I.Díez-Pérez	Mr. Albert Aragonès , University of Barcelona - Spain
10:00-10:30	Coffee Break / Exhibition	
10:30-10:45	Synaptic Weight Modulation and Logic Function Learning with Electro-grafted Nano Organic Memristors Y-P. Lin , C.H. Bennett, D. Chabi, D. Vodenicarevic, D. Querlioz, T. Cabaret, A. Balan, B. Jusselme, C. Gamrat, J-O. Klein and V. Derycke	Dr. Yu-Pu Lin , CEA Saclay - France
10:45-11:00	Quantum Interference Effect In Anthraquinone Solid State Junctions M. L. Della Rocca , C. Bessis, C. Barraud, P. Martin, J.-C. Lacroix, T. Markussen and P. Lafarge	Dr. Maria Luisa Della Rocca , Paris Diderot University - France
11:00-11:15	Impact of Surface Modification of ITO Bottom Electrode on Switching Characteristics of ZnO-based Transparent Resistive Memory Devices Fabricated on Polymer Substrate F. M. Simanjuntak and T. Y. Tseng	Mr. Firman Mangasa Simanjuntak , National Chiao Tung University – Taiwan
11:15-11:30	Synthesis of ZrO ₂ films by spray pyrolysis ultrasonic presenting the up conversion phenomenon P. E. Ortiz-Ortega and M García-Hipólito	Mr. Pedro Enrique Ortiz Ortega , National Autonomous University of Mexico - Mexico

11:30-11:45	Conjugated Polyrotaxanes: A Critical Assessment of Photo-physical Properties in Correlation with the Effect of the Nature of Host Molecules Encapsulation A. Farcas , A.-M. Resmerita and P.-H. Aubert	Prof. Aurica Farcas , "Petru Poni" Institute of Macromolecular Chemistry - Romania
11:45-12:00	Designing High Performance Digital Logic NOT Gate Using Single Electron Box (SEB) Nano-Devices D. Bahrepour	Dr. Davoud Bahrepour , Islamic Azad University - Iran

June 3rd, 2016
InnovNanoFrance 2016 : Industrial Session

Conference Room 508

Session's Chairs:
Dr. Julio Gomez, CEO, Avanzare Innovacion Tecnologica S.L - Spain

09:00-9:30	Graphene based supercapacitors: results and perspectives P. Bondavalli and G. Pognon	Dr. Paolo Bondavalli , Head of Nanomaterial topic team, Thales Research and Technology – France
09:30-09:00	Graphene Roadmap: Wafer Scale Integration Mr Iñigo Charola	Mr. Iñigo Charola , Business Development Director- Graphenea - Spain
10:00-10:30 Coffee Break / Exhibition		
10:30-11:00	Static Multiple Light Scattering to monitor protein aggregation and pigments dispersibility C. Tisserand , G. Brambilla, P. Bru and G. Meunier	Dr. Christelle Tisserand , Formulation Company – France
11:00-11:30	Bulk graphene production and application in composites, energy and coatings J. Gomez , J. Perez and E. Villaro	Dr. Julio Gomez , CEO- Avanzare Innovacion Tecnologica S.L.- Spain
11:30-12:00	3D Printing Sets New Standards in Microfabrication A. Legant	Mr. Alexander Legant , Nanoscribe GmbH, Eggenstein, Leopoldshafen – Germany
12:00-12:30	Graphene grown on SiC substrates for applications in electronics L. Serrano , A. García-García, A. Ballestar, J. M. de Teresa, M. R. Ibarra and P. Godignon	Dr. Luis Serrano , Graphene Nanotech (GPNT) - Spain

Posters Session I: June 1st 2016

Nanotech France 2016: Nanomaterials synthesis, characterization/Nanometrology and properties

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
1	Organic solvent resistant polyelectrolyte multilayers : effect of the sulfonic to carboxylic content P. Argkarawanitnan and S. T. Dubas	Ms. Patsarat Argkarawanitnan , Chulalongkorn University, Bangkok – Thailand
2	Solvothermal hot injection synthesis of AgNi nanoalloy V. Vykoukal , J. Bursik, P. Roupčova and J. Pinkas	Mr. Vit Vykoukal , Masaryk University - Czech Republic
3	Layer-by-Layer Deposition of Photocatalysts on PU foam C. Wechwithayakhlung and S. Dubas	Ms. Chayanit Wechwithayakhlung , Chulalongkorn University, Bangkok – Thailand

4	Thickness dependent optical properties of the large area synthesized few layers MoSe ₂ on SiO ₂ and Al ₂ O ₃ substrates by Molecular Beam Epitaxy Y. H. Choi , D. H. Lim, J. H. Jung, K. -H. Yoo, B. -Y. Yoo and M. -H. Cho	Mr. Yoonho Choi , Yonsei University, Seoul - Republic of Korea
5	Influence of superficial morphology in the growth of zinc oxide nanowires Arana J A , Monroy B M and Santana G	Mr. Julio Alejandro Arana Trenado , National Autonomous University of Mexico - Mexico .
6	Plasma functionalized POSS / PDMS nano-composite membranes for solvent separation by pervaporation X. Chen , Z. Chen, R. d'Agostino, L. F. Dumée, X. J. Dai and K. Magniez	Mr. Xiao Chen , Deakin University - Australia
7	New molecular precursors for AgCu nanoalloy preparation V.Vykoukal, J. Bursik, P.Roupcova, V. Halasta and J. Pinkas	Prof. Jiri Pinkas , Masaryk University - Czech Republic
8	Influence of nano-particles on the surface morphology and properties of fouling release coatings based on polydimethylsiloxane Z. Zhang , H. Zhou and Y. Qi	Prof. Zhanping Zhang , Dalian Maritime University – China
9	Effect of operating conditions on adhesion strength of Cu/AlN laminate fabricated by High Vacuum Surface Controlled Direct Bonding S-C. Lim and K.B. Jang	Dr. Sung-Chul Lim , Korea Institute of Industrial Technology, Songdo-dong – Rep. of Korea
10	Enhancement of the TFT's performance by slight phosphorus doping: Lower density of states within the grain boundaries and higher stability M. Zaghdoudi , R.Rogel, T.Mohammed-Brahim and H. Ezzaouia	Mrs. Mariem Zaghdoudi , Institute of Environmental Science and Technology – Tunisia
11	The Green Synthesis, Characterization, and Antioxidant Activities of Silver Nanoparticles Synthesized from Asphodelus aestivus Aqueous Extract B. Kivçak , T. Erdoğan, P. Taştan, B. Sümer Tüzün and M. Özyazıcı	Prof. Bijen Kivçak , Ege University, Izmir – Turkey
12	Synthesis of Monodisperse Gold Nanoparticles for Plasmonics S. Marguet , J. Caron, A. Habert and M. Khaywah	Dr. Sylvie Marguet , CNRS/CEA Saclay – France
13	Enhanced Mass Activity of Pt as Au@Pt Nanoparticles on reduced Graphene Oxide Support for Methanol and Ethanol Oxidation P. Gnanaprakasam , S. E. Jeena and T. Selvaraju	Mr. P. Gnanaprakasam , Karunya University- India
14	Formation of Germanium Analog of The Tubular Aluminosilicate imogolite Containing Fe M. Ookawa , E. Kato, M. Watanabe, K. Osada, M. Yoshikawa and S. Yamane	Dr. Masashi Ookawa , National Institute of Technology, Numazu College – Japan
15	Dispersion Characteristics of Layered Double Hydroxides in the presence of amphiphilic macroRAFT agents M. Pavlovic , V. Prevot, E. Bourgeat-Lami and I. Szilagyí	Mr. Marko Pavlovic , University of Geneva - Switzerland
16	Tuning the structure and the mechanical properties of epoxy-silica sol-gel hybrid materials B. Domènech, I. Mata and E. Molins	Dr. Ignasi Mata , Materials Science Institute -Barcelona (ICMAB-CSIC) - Spain .
17	High performance Transparent Electrode Consisting of Silver and Graphene Hybrid Structure Fabricated by Near-Field Electro-Spinning D. H. Youn , Y. J. Yu, S. J. Yun, H. K. Choi, J. S. Choi, G. H. Kim and C. G. Choi	Dr. Doo-Hyeob Youn , Electronics and Telecommunications Research Institute- Republic of Korea
18	Plasmonic Ag ultrafine nanoparticle-graphene substrates for Raman enhancement E.Climent-Pascual , F. Jimenez-Villacorta, L. Álvarez-Fraga, R. Ramírez-Jiménez, C. Prieto and A. De Andrés	Dr. Esteban Climent-Pascual , ICMM-CSIC - Spain
19	Self-cleaning Properties of Nanostructured Polypropylene Foils Fabricated by Roll-to-Roll Extrusion Coating A. Telecka and R. Taboryski	Ms. Agnieszka Telecka , Danish Technical University Nanotech DTU – Denmark

20	Chemical and electronic structure profiling in the top few nanometers of hydrothermally prepared and plasma hydrogenated ZnO nanorods M. Al-Saadi	Mr. Mubarak Al-Saadi , Sultan Qaboos University (SQU) - Oman
21	Fluorescent Photosensitive Vitroceramics with Silver and Samarium Additives: Improvement of Writing Accuracy and Efficiency for 3D Optical Storage Media C. Busuioc , S. Jinga and E. Pavel	Dr. Cristina Busuioc , Polytechnic University of Bucharest - Romania
22	Transparent and Hard PTFE-like Coatings by RF magnetron Sputtering of PTFE Polymer Target Y. S. Song and J. Kim	Dr. Young Sik Song , KITECH-Surface Technology R&BD Group-Incheon - Republic of Korea
23	Mathematical Modeling Process of Sedimentation Magnetic Nanoparticles on the Walls of Blood Vessels M.A. Shumova , D.V. Korolev, O.A. Smolyanskaya and S.A. Chivilikhin	Mrs. Maria Shumova , ITMO University, Saint-Petersburg - Russia
24	Grown of silicon nanowires for possible solar cell applications J. Salazar , G. Santana and B. M. Monroy	Ms. Jenifer Salazar , National Autonomous University of Mexico – Mexico
25	Applications of Positron Probe in polymer nanocomposites G.B.Xie, J.Zhong, S.Gao and B. Wang	Prof. Bo Wang , Wuhan University – China
26	Modeling and Simulation of P-Type Cu ₂ O Thin-Film Transistors Using COMSOL Multiphysics S. Alsharif , H. Farhan and H. Aljawhari	Mrs. Sarah Alsharif , King Abdulaziz University - Saudi Arabia
27	MoN-decorated Nitrogen Doped Carbon Nanotubes Anode With High Lithium Storage Performance S.M. Abbas , Z. Rehman, A. Rehman and N. Ahmad	Mr. Syed Mustansar Abbas , National Centre for Physics, Islamabad - Pakistan
28	Low Frequency Noise Spectroscopy in n-channel UTBOX de-vices with 20 nm Si film B. Nafaa , B. Cretu, N. Ismail, O. Touayar, E. Simoen, J.-M. Routoure, R. Carin, M. Aoulaiche and C. Claeys	Ms. Beya Nafaa , Institut National de Sciences Appliquées et de Technologie- Tunisia
29	Aluminum oxide nanopores and nanowires F. Flores-Gracia , J. Martínez-Juárez, J.A. Luna-López, R.R. González-Jiménez	Dr. Francisco Flores , Autonomous University of Puebla- Mexico
30	Temperature Controlled Growth of Ag Nanoparticles by Physical Vapor Deposition F.G. Alzubi and R.M. Alrashed	Mrs. Reem M. Alrashed , Kuwait Institute for Scientific Research- Kuwait

Posters Session II: June 2nd, 2016

Nanotech France 2016: NanoBioMedecine/Nanosafety

Exhibition and Poster Hall

1	Investigation of Biomolecule Release Behaviours From Titanium Surfaces with Controllable Porosity C. Bayram	Mr. Cem Bayram , Hacettepe University - Turkey
2	UV Crosslinkable PLGA-b-PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery M. Gultekinoglu , I. Eroglu, C. Bayram, E.A. Aksoy and K. Ulubayram	Mrs. Merve Gultekinoglu , Hacettepe University - Turkey
3	New Outlook on Parkinson's Treatment: A Dual Targeting Nanoparticle Complex for More Efficient Delivery of Curcumin Improves Neuroprotection N. Beals , P. Kharel, W. Geldenhuys and S. Basu	Mr. Nathan Beals , Kent State University- USA
4	Biodegradable mesoporous silica nanoparticles from synthesis to anti-cancer application S. Seré , J. Belmans, B. De Roo, M. Vervaele, S. Van Gool and J. P. Locquet	Ms. Stephanie Seré , KU Leuven- Belgium
5	Formulation and Characterization of Liposomes Loaded with Resveratrol using Plackett-Burman Experimental Design S. Al-Edresi , S. Freeman, H. Aojula and J. Penny	Mr. Sarmad Al-Edresi , University of Manchester- United Kingdom

6	Biological interactions monitoring of B-16 Melanoma cells using electrochemical impedance spectroscopy C. Marculescu , B. Tincu, A. Avram, T. Burinaru, C. Voitincu and M. Avram	Dr. Catalin Marculescu , National Institute for Research and Development in Microtechnologies – Bucharest- Romania
7	Formulation and In Vitro Evaluation of Simvastatin Loaded Nanostructured Lipid Carriers D. Örgül , H. Eroğlu and S. Hekimoğlu	Mrs. Dilara Örgül , Hacettepe University- Turkey
8	Kinetics of mRNA Onset Time in Single Cell Arrays N. Mehrotra , A.Reiser, R. Krzyszton and J.O. Rädler	Ms. Neha Mehrotra , Ludwig-Maximilians-University-Munich- Germany
9	Magnetocloric effect for inducing hypothermia as new therapeutic strategy for stroke R. Iglesias , A. Vieites-Prado, B. Argibay, F. Campos, M. Bañobre-López, T. Sobrino, J. Rivas and J. Castillo	Dr.Ramón Iglesias , University of Santiago de Compostela- Spain .
10	Lipid membrane anchors in Lipid-Nucleic acid (LiNA) conjugates for liposome fusion O. Ries , P.M. G. Löffler and S.Vogel	Dr. Oliver Ries , University of Southern Denmark- Denmark
11	One-pot Solventless Preparation of PEGylated Black Phosphorus Nanoparticles for Photoacoustic Imaging and Photo-thermal Therapy of Cancer C. Sun , C. Zhao and Z. Li	Ms. Caixia Sun , East China University of Science and Technology Shanghai- China
12	The ultra-structural analysis of antibody conjugated gold nanoparticles on fiber optic particles plasmon resonance (FOPPR) enabled bio-sensor C-Y. Hsieh , Y-N. Wu, S-R. Wu, C-Y. Chiang and L-K. Chau	Ms. Ching-Yi Hsieh , National Cheng Kung University- Taiwan
13	In situ Synthesis of Nano-copper on Denim Garment for Antibacterial Purposes D. Zarbaf , M. Montazer and A. Sadeghian Maryan	Mr. Dara Zarbaf , Islamic Azad University- Tehran- Iran
14	Filtering Pigments from honey by nanofiber membrane F.Azizzadeh and F. Altay	Mrs. Farzaneh Azizzadeh , Istanbul Technical University - Turkey
15	Physicochemical and mechanical characterization of electrospun poly-ε-caprolactone nanofibers loaded with cilostazol M. Rychter , A. Baranowska-Korczyn, M. Jarek, B.M. Maciejewska, L. Emerson Coy and J. Lulek	Mr. Marek Rychter , Poznań University of Medical Sciences- Poland
16	Biomimetic Functionalized Graphene for Biodegradable Bone Implants A.M. Arnold , B. Holt and S.A. Sydlík	Mrs. Anne Arnold , Canegie Mellon University- USA
17	Effect of PEG modification on nebivolol loaded solid lipid nanoparticles for treatment of hypertension: preparation, characterization and pharmacokinetic studies E.H. Gökçe , A.Yurdasiper, N.Üstündağ-Okur and E. Gündoğdu	Dr. Evren Homan Gökçe , University of Ege- Turkey
18	Role of the swelling activated chloride current on geno and cytotoxicity of silver nanoparticles on human glioblastoma multiforme L. Latterini, P. Sassi, F. Ragonese , C. Tubaro, M. Gambucci, L. Tarpani, M. Caramia, L. Mancinelli, C. Arcuri, C. Mecca, L. Leonardi, L. Barberini, F. Franciolini and B. Fioretti	Dr. Bernard Fioretti , University of Perugia- Italy
19	Flexible, Label-Free DNA Sensor using Platinum Dioxide as the sensing element N. Basu , A.K. Konduri, P. K. Basu, M. Varma and N. Bhat	Ms. Nivedita Basu , Indian Institute of Science- India

Posters Session II: June 2nd, 2016

Nanotech France 2016: Nanoelectronics/ NanoPhotonics

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
1	Green Emissive Perovskite Light-Emitting Diodes Via Morphological Control of Perovskite Films M. H. Song and J. C. Yu	Prof. Myoung Hoon Song , Ulsan National Institute of Science and Technology (UNIST)- Republic of Korea

2	Influence of electrical pulses on lithium cobalt oxide thin films : memristive behaviour and potential applications V. S. Nguyen , V. H. Mai, A. Moradpour,..P.Chrétien and O. Schneegans	Mr. Van Son Nguyen , Paris Sud University - France
3	Al ₂ O ₃ passivation effect in HfO ₂ -Al ₂ O ₃ laminate structures grown on InP substrates H-K. Kang , Y-S. Kang, D-K. Kim, M. Back, Y-S. An, J-D. Song, H. Kim and M-H. Cho	Mr. Hang-Kyu Kang , Yonsei University-Seoul - Republic of Korea
4	Flexible Microelectrode Patterning with Thin Polymer Stencils Prepared using PEGDA/Silicate Nanocomposites Y.H. Kim , Y.K. Lee, T.Kim, S.Goel, H.J. Kim and S-J. Choi	Dr. Young Ho Kim , Daegu-Gyeongbuk Medical Innovation Foundation, Daegu - Republic of Korea
5	Molecular switches - from STM-induced single molecule chemistry to switching of entire layers T.Leoni , T.Lelaidier, A.Thomas, O.Siri and C.Becker	Dr. Thomas Leoni , Aix Marseille University - France

NanoMetrology France 2016 Preliminary Program

June 1st, 2016

Session I: Methodologies for nanomaterials characterization

Conference Room 508

Session's Chairs:

Dr. Georges Favre, Laboratoire national de métrologie et d'essais(LNE) - France

Prof. James M. Hill, University of South Australia - Australia

11:00-11:30	Exact solutions for the axial pressure profiles in channels with Maxwell slip flow A. C. Hoffmann , S. Karakitsiou and B. Holst	Prof. Alex Christian Hoffmann , University of Bergen - Norway
11:30-12:00	Dynamic identification of perforated MEMS devices by the continuous wavelet transform J. Lardiès and T.P. Le	Prof. Joseph Lardies , FEMTO-ST Institute- Bourgogne Franche-Comté University - France
12:00-12:30	General atomistic approach for modeling metal-semiconductor interfaces using density functional theory and non-equilibrium Green's function D. Stradi , U. Martinez, A. Blom, M. Brandbyge and K. Stokbro	Dr. Daniele Stradi , Quantumwise-Danemark
12:30-12:45	Sidewall Roughness of Nanoelectronic and Nanophotonic Structures: Metrological Challenges and their Critical Role in Applications V. Constantoudis , G. Patsis and E. Gogolides	Dr. Vassilios Constantoudis , NCSR Demokritos/ Nanometrisis-Greece
12:45-14:00	Lunch Break / Exhibition / Poster Session I	
14:00-14:30	Implementation of Process Analytical Technology for the multi-sectoral manufacturing of nanoparticles by wet milling C. Vairon , D. Bordeaux and A. Blasco	Ms. Celine Vairon , SDTech company - UK
14:30-14:45	A SAXS/WAXS Laboratory Instrument for Nanomaterials characterization O. Taché , A. Thill, D. Carrière, F. Testard and O. Spalla	Mr. Olivier Taché , LIONS, NIMBE, CEA Paris Saclay University- France
14:45-15:00	MEMS for in-situ TEM nanoscience on dry and wet samples L. Jalabert , T. Ishida, T. Sato, M. Egawa, G. Valet, S. Volz and H. Fujita	Dr. Laurent Jalabert , LAAS-CNRS-France
15:00-15:15	Characterization of nanomaterials by A4F-UV-MALLS-ICPMS, Sp-ICPMS and DLS: Application to foodstuff, consumer products, environmental and medicinal samples M. Menta , I. de La Calle and M. Klein	Dr. Mathieu Menta , Ultra-Traces Analyses Aquitaine (UT2A)- Pau - France
15:15-15:30	Design of experiment for uncertainty evaluation of nanoparticle diameter measurements with AFM B. De Boeck , J. Pétry, N. Sebaihi and M. Dobre	Dr. Bert De Boeck , FPS Economy (NMI Belgium)-Belgium
15:30-15:45	Local resistance imaging on soft materials by conducting probe atomic force microscopy in intermittent contact mode A. Vecchiola , P. Chrétien, K. Bouzehouane, O. Schneegans, P. Seneor, S. Tatay and F. Houzé	Dr. Aymeric Vecchiola , Unité Mixte de Physique CNRS/Thales - France
15:45-16:00	Continuous monitoring of tip radius during atomic force microscopy imaging using higher harmonics E. Rull Trinidad, F. Gramazio, M. Lorenzoni, F. Pérez Murano, U. Staufer and J. Fraxedas ²	Dr. Jordi Fraxedas , Catalan Institute of Nanoscience and Nanotechnology (ICN2) - Spain
16:00-16:30	Coffee Break / Exhibition/ Posters Session I	

16:30-16:45	Measurement uncertainty evaluation of a metrological AFM by modeling its position measurement system P. Ceria , S. Ducourtieux, Y. Boukellal and A. Allard	Mr. Paul Ceria , LNE- Laboratoire National de metrologie et d'Essais- France
16:45-17:00	Quantitative X-ray Resolution of the Atomic Structure of Metal Oxide Nanotubes: the Imogolite Case M.-S. Amara, S. Rouzière, E. Paineau, E. Poli, J. D. Elliott, G. Teobaldi and P. Launois	Dr. Pascale Launois , Paris Sud University- France
17:00-17:15	Water in Single-Walled Carbon Nanotubes: structural and dynamical analyses E. Paineau , S. Dalla-Bernardina, J.B. Brubach, S. Rouzière, P. Judeinstein, S. Rols, P. Roy and P. Launois	Dr. Erwan Paineau , Paris Sud University - France
17:15-17:30	An Accurate Reconvergent Fanout Aware Algorithm for nano-Circuits Reliability Ranking W. Ibrahim and H. Amer	Prof. Walid Ibrahim , UAE University - UAE
17:30-17:45	Modeling and Analysis of scatterometry with high-harmonic-generation EUV source Y-S. Ku , Y-C. Chen, C-L. Yeh, Y-C. Hsieh, C-H. Cho and C-W. Lo	Dr. Yi-sha Ku , Industrial Technology Research Institute - Taiwan
17:45-18:00	Influence of the probe-surface contact area on AFM tribological investigation of nanopatterned Si surfaces A. Rota , E. Serpini, G. C. Gazzadi and S. Valeri	Dr. Alberto Rota , CNR Nanoscience Institute-Modena - Italy
18:00-18:15	Simultaneous Topographical, Spectroscopic and Electrical Map-ping at the Nanoscale A. Zoladek-Lemanczyk , N. Kumar, A.A. Y, Guilbert, S.M. Tuladhar, T. Kirchartz, B.C. Schroeder, I. McCulloch, J. Nelson, D. Roy and F. A. Castro	Dr. Alina Zoladek-Lemanczyk , National Physical Laboratory- UK
18:15-18:30	Interaction between Hybrid Inclusions mediated by surfactant membranes E. Azar and D. Constantin	Mrs. Elise Azar , Paris Sud University-France
18:30-18:45	Micro to Atomic Scale Observations on Nano-sized Y-TZP Powder Produced by One-Step Hydrothermal Route A. Yurdakul, H. Gocmez and H. Yurdakul	Dr. Hilmi Yurdakul , Dumlupinar University- Turkey
18:45-19:00	First steps towards instantaneous positioning of Nanorobots equipped with graphene antenna in large scaled nano-systems D. Moffo and P. Canalda	Mr. Dermas Moffo , University of Bourgogne-Franche-Comté- France

June 1st, 2016

Nanometrology France 2016: Symposium on Nanospectroscopy

Conference Room 561

Session's Chairs:

Prof. Pierre-Michel Adam University of technology of Troyes- France

11:00-11:30	Nanospectroscopy of optical antennas and coupled hybrid antenna-nanoemitter-structures M. Fleischer	Prof. Monika Fleischer , Institute for Applied Physics- Eberhard Karls University, Tübingen - Germany
11:30-12:00	Nanospectroscopy with Silver Nanowires S. Mackowski	Prof. Sebastian Mackowski , Nicolaus Copernicus University- Poland
12:00-12:30	Addressing Challenges in Fabrication of Nanoscale Interstices at Molecular resolutions for Nanospectroscopies S. Krishnamoorthy	Dr. Sivashankar Krishnamoorthy , Luxembourg Institute of Science and Technology- Luxembourg
12:30-12:45	Real-time sensing of chemical and biological species into individual cells with single-molecule resolution P. Actis	Dr. Paolo Actis , BioNano Consulting/ University of Leeds- United Kingdom

12:45-14:00 Lunch Break / Exhibition / Poster Session I		
14:00-14:30	Resonant Surface-enhanced Raman Scattering by Optical Phonons in CdSe Nanocrystals on Metal Nanocluster Arrays A.G. Milekhin, V.M. Dzhagan and D.R.T. Zahn	Prof. Dietrich R.T. Zahn , Chemnitz University of Technology- Germany
14:30-14:45	Approaching single molecule detection using plasmonic nanogaps A.R. L. Marshall, J. Stokes, J-S. Bouillard and A.M. Adawi	Dr. Jean-Sebastien Bouillard , University of Hull - United Kingdom
14:45-15:00	Colloidal Gold Nanostructures for Plasmonics M. Y. Khaywah and S. Marguet	Dr. Mohammad Yehia Khaywah , CNRS/CEA Saclay - France
15:00-15:15	Intermixing length measurement with up to sub-nm accuracy by XEDS spectrum imaging E Carbo-Argibay, C. Afonso, M. S. Claro and D. G. Stroppa	Dr. Daniel Stroppa , International Iberian Nanotechnology Laboratory - Portugal .
15:15-15:30	High resolution solid state NMR spectroscopy in surface organometallic chemistry: access to molecular understanding of active sites of well-defined heterogeneous catalysts. E.Abou-Hamad and J-M. Basset	Dr. Edy Abou Hamad , King Abdullah University of Science and Technology (KAUST) - Saudi Arabia
15:30-16:00	Aluminum plasmonics for UV nanooptics J. Martin , D. Khlopin, F. F. Zhang, Silvère Schuermans, D. Gérard, J. Proust and J. Plain	Dr. Jérôme Martin , Technology University of Troyes - France
16:00-16:30 Coffee Break / Posters Session I		
16:30-16:45	Scanning Tunneling Spectroscopy approaches for Nano-structures characterization B. Naydenov , J.Li, P. Barimar, and J.J. Boland	Dr. Borislav Naydenov , Trinity College Dublin - Ireland
16:45-17:00	Material optical properties by spectroscopic ellipsometry of thin particulate films O. Zhuromskyy, S. Golkar, I. Spies, R. Klupp-Taylor, U. Peschel,	Dr Oleksandr Zhuromskyy , Erlangen-Nürnberg University- Germany
17:00-17:15	Plasmon-mediated chemical surface functionalization at the nanoscale M. Nguyen, L. Boubekour, S. Lau-Truong, G. Lévi, J. Aubard, J. Grand, C. Mangeney and N. Félidj	Prof. Nordin Felidj , University Paris Diderot - France
17:15-17:30	Investigations and Conclusions regarding Metrological Fundamentals for 'true' Nanovolume Spectroscopy. N. MacMillan	Mr. Norman McMillan , Institute of Technology Carlow - Ireland
17:30-17:45	Emerging Applications of Nanoscale Zinc Oxide D. Rogers , V. E. Sandana, F. H. Teherani and P. Bove.	Dr. David Rogers , Nanovation Company - France
17:45-18:00	Investigation of Diamond-Like Carbon Films Physical Properties Using Multifractal Analysis N. Margaryan , Zh. Panosyan, A. Mailyan and S. Voskanyan	Mr. Narek Margaryan , National Polytechnic University of Armenia – Armenia

June 2nd, 2016

Nanometrology France 2016:

Symposium on Detection, location & quantification of nanomaterials and by-product released from nano-enable products

Conference Room 511

Session Chairs:

Prof. Jean-Yves Bottero, CNRS-CEREGE-France and Duke University - USA

09:00-09:30	Towards a Better Understanding of Interaction Mechanisms and Thermodynamic Properties of Nanomaterials Interacting with BioMacromolecules. S. Stoll , F. Loosli, O. Oriekhova, F. Carnal and A. Clavier	Dr. Serge Stoll , Institute F.-A. Forel, University of Geneva - Switzerland
09:30-10:00	Silver Nanoparticles in managed waste facilities: From metallic to sulfidic and back again. R. Kaegi , C. Meier, A. Voegelin, A. Pradas del Real, G. Sarret, and C.R. Mueller	Dr. Ralf Kaegi , Eawag, Swiss Federal Institute of Aquatic Science and Technology - Switzerland
10:00-10:30 Coffee Break / Posters Session II		
10:30-11:00	Rules and rates of release from nano-enabled products N. Neubauer	Dr. Nicole Neubauer , BASF SE, Company – Germany
11:00-11:30	Response of microbial communities and plant to metal oxide- and carbon-based nanomaterials in a plant-soil-based system C. Santaella , B. Collin, M. Hamidat, M. Barakat, P. Ortet and W. Achouak	Dr. Catherine Santaella , CNRS Marseille/ CEA Cadarache- France
11:30-11:50	Effect of chemical transformations of silver in nanoAg-enabled textiles on their antimicrobial efficacy and release G. Lowry and T. Dankovich	Prof. Gregory Lowry , Carnegie Mellon University - USA
11:50-12:10	Multi-scale X-ray computed-tomography for the 3D detection and location of nanomaterials in manufactured materials and complex media P. Chaurand , D. Borschneck, V. Vidal, C. Levard, L. Scifo, J. Perrin and J. Rose	Mrs. Perrine Chaurand , CEREGE-Aix-Marseille University- France
12:10-12:30	Indoor mesocosms: an integrated approach to assess the environmental risks of nanomaterials M. Auffan , M. Tella, L. Brousset, C. Santaella, J. Rose, A. Thiéry, J.Y. Bottero	Dr. Melanie Auffan , CEREGE/CNRS-Aix-Marseille University- France
12:30-12:45	Effect of nanoceria biotransformation in activated sludge on the microbiota associated to canola roots B. Collin , E. Doelsch, M. Auffan, N. Roche, M. Barakat, P. Ortet, W. Achouak and C. Santaella	Dr. Blanche Collin , Aix-Marseille University- France
12:45-14:00 Lunch Break / Exhibition / Posters session II		
14:00-14:30	Some challenges and solutions for detecting engineered nanoparticles in environmental samples M. Hadioui, K. Proulx, L. Frechette-Viens, T. Theoret and K.J. Wilkinson	Prof. Kevin Wilkinson , University of Montreal – Canada
14:30-14:45	Behavior of Engineered CeO ₂ Nanoparticles Released in Aquatic Systems O. Oriekhova and S. Stoll	Ms. Olena Oriekhova , Institute F.-A. Forel, University of Geneva - Switzerland
14:45-15:00	Elucidation of standard specimen preparation techniques of nano-enabled products for characterization using field-emission scanning electron microscope A. Sohrabi	Dr. Abouzar Sohrabi , Sharif University of Technology, Tehran – Iran
15:00-15:15	Influence of nano-TiO ₂ with Different Crystalline Phases on Bioaccumulation of Perfluorooctanesulfonate by Fishes Living in Different Water Layers L.Y. Zhu and L.W. Qiang	Prof. Lingyan Zhu , Nankai University - China
15:15-15:30	Assessing the heteroaggregation of manufactured nanoparticles with naturally occurring colloids in a typical surface water D. Slomberg, J. Labille , A. Praetorius, C. Harns, J-Y. Bottero, P. Ollivier, M. Scheringe, N. Sani-Kast, S. Ilina and J. Brant	Dr. Jerome Labille , CEREGE, Aix-Marseille University- France

15:30-15:45	Behavior of engineered nanomaterials from marketed tiles under standardized abrasion conditions. C. Bressot , O. Aguerre-Chariol, C., Pagnoux and M., Morgenyey	Mr. Christophe Bressot , Institut National de l'Environnement Industriel et des Risques (INERIS), Limoges - France
15:45-16:00	Marine plastic litters: the unanalyzed nano-fraction J. Gigault, B. Pedrono , B. Maxit and A. Ter Halle	Mr. Boris Pedrono , Cordouan Technologies, Pessac - France
16:00-16:30	Coffee Break / Exhibition/ Posters Session II	
16:30-16:45	Challenges on fate, behavior and effects of nanomaterials in the marine environment C. Mouneyrac	Prof. Catherine Mouneyrac , Université Catholique de l'Ouest- France
16:45-17:00	Sulfidation pathways of Silver Nanoparticles in the presence of Humic Acid B. Thalmann , A. Voegelin, E. Morgenroth and R. Kaegi	Dr. Basilius Thalmann , Eawag, Swiss Federal Institute of Aquatic Science and Technology - Switzerland
17:00-17:15	Mechanism of CuO/ZnO nanoparticle sulfidation: Insights from electron microscopy A. Gogos , B. Thalmann and R. Kaegi	Dr. Alexander Gogos , Eawag, Swiss Federal Institute of Aquatic Science and Technology - Switzerland
17:15-17:30	Development of the first generation of hybrid metrology algorithms dedicated to nanoparticles measurement with AFM and SEM techniques A.Dervillé, A.Delvallée, S.Martinez,...,L.Devoille, Y.Zimmermann, J.Foucher and G.Favre	Dr. Johann Foucher , POLLEN Metrology Company - France
17:30-17:45	Toward the direct quantification of dissolution and aggregation of AgNPs using AF4-UVD-MALLS-ICP-MS and Cryo-TEM analysis I.A.M Worms , A. Arnould, R. Soulas, J-F. Damlencourt, S. Motellier, E. Mintz, I. Michaud-Soret and D. Truffier-Boutry	Dr. Isabelle Worms , CEA, Grenoble,DRF/BIG/LCBM/BioMet - France
17:45-18:00	Particle Size Distribution Analysis of Complex Fe ₂ O ₃ Nano-particle Aggregates Embedded in High Density Polyethylene Matrix T. Uusimäki , T. Wagner, E. Verleysen, J. Mielke, P. Müller and R.Kägi	Dr. Toni Uusimäki , ETH- Eawag- Switzerland
18:00-18:15	Combination of micro- and nano- computed X-ray tomography for the characterization of nanomaterial-plant interactions C. Levard, A.E. P. del Real, A. Avellan, F. Schwab , P. Chaurand, D. Borschneck, V. Vidal, M. Auffan, G. Sarret and J. Rose	Dr. Fabienne Schwab , Aix-Marseille University-CNRS- France
18:15-18:30	Piezo-Resistive Sensing Active (PRSA) Probes integrated into a Nanomeasuring Machine (NMM-1) A. El Melegy , T. Hausotte, M. A. Younes and M. Amer	Dr. Ahmed El Melegy , FAU Erlangen-Nürnberg University - Germany
18:30-18:45	One pot Green synthesis of fluorescent Zinc oxide nanoparticles and its biological effects A. Mallick , P. Kumari, S.K.Verma	Dr. Muhammad Anwar Mallick , Vinoba Bhawe University- India
18:45-19:00	Adsorption properties of DOX antibiotic from aqueous solutions onto pristine and magnetized carbon nanotubes. A. Terechshenko , K.Korzhybayeva, M.R.Babaa, Jorge O. Oña-Ruales and Z. Bakenov	Ms. Alina Terechshenko , Nazarbayev University- Kazakhstan

NanoMaterials for Energy and Environment - NanMatEn 2016 Preliminary Program

June 2nd, 2016
NanoMatEn 2016 Session I: NanoEnergy

Conference Room 211

Session Chairs:
Prof. Je-Lueng Shie, National I-Lan University - Taiwan
Prof. Nicolas Fressengeas, Lorraine University - France

10:30-11:00	Multi-functional Thin Films for Solar Energy Utilization J. He	Prof. Junhui He , Technical Institute of Physics and Chemistry, Chinese Academy of Sciences - China .
11:00-11:30	Comparative study of PN, PIN and new Schottky based InGaN thin films solar cells A. Adaine, S. Ould Saad Hamady and N. Fressengeas	Prof. Nicolas Fressengeas , Lorraine University - France
11:30-12:00	Hybrid Heterojunction PEDOT:PSS/GaAs Thin Film Solar Cells Via Wafer-Bonding Technique K.W. Sun	Prof. Kien Wen Sun , National Chiao Tung University - Taiwan
12:00-12:15	Role of methylammonium molecules on the electronic transport properties of organometallic perovskite CH ₃ NH ₃ PbI ₃ G. R. Berdiyrov , F. El-Mellouhi, M. E. Madjet, F. H. Alharbi, and S. N. Rashkeev	Dr. Golibjon Berdiyrov , Qatar Environment and Energy Research Institute - Qatar
12:15-12:30	Surface Modification for Enhancing Perovskite Solar Cell Performance W. Yu , Tom Wu and Aram Amassian	Dr. Weili Yu , King Abdullah University of Science and Technology - Saudi Arabia .
12:30-12:45	The TiO ₂ -dye interface in DSSCs: comparing single crystals and thin films and deposition methods, sensitized in UHV and liquid solution Z. Besharat , R. Alvarez Asencio, M. Götelid, M. Johnson and M. W. Rutland	Ms. Zahra Besharat , KTH Royal Institute of Technology - Sweden
12:45-14:00	Lunch Break / Exhibition / Posters session II	
14:00-14:15	Photoelectric and Photothermoelectric Material of SBA-15/K-OMS-2 on Photoelectrochemical Solar Cell Application C-H. Lee, J-L. Shie , Y. Li and C-Y. Chang	Prof. Je-Lueng Shie , National I-Lan University - Taiwan
14:15-14:30	Aluminum-Carbon Nanotube Nanocomposite for Silicon Solar Cell Back Metallization K. El-Rafei, A. Esawi , O. Tobail and A. Klingner	Dr. Amal Esawi , The American University in Cairo - Egypt
14:30-14:45	Co-based mesoporous spinels for oxygen evolution reaction in alkaline medium A. Habrioux , I. Abidat, C. Canaff, D. Dambournet, C. Comminges, T. Napporn and K.B. Kokoh	Dr. Aurélien Habrioux , University of Poitiers - France
14:45-15:00	Coupled surface-plasmon/thermoelectric power generators based on TCO nanowires A. Catellani, A. Ruini, M. Buongiorno Nardelli and A. Calzolari	Dr. Arrigo Calzolari , CNR-NANO Istituto Nanoscienze, Centro S3 - Italy
15:00-15:15	Core-shell Ni-NiF ₂ as cathode materials for secondary lithium batteries L. Doubtsof , L. Jouffret, P. Bonnet and K. Guerin	Mrs. Lea Doubtsof , Clermont-Ferrand University - France
15:15-15:30	Ultra-Thin copper oxide nanowires grown by atmospheric pressure afterglow for water splitting application A. Imam , T. Gries, K. Hussein and T. Belmonte	Mr. Abdallah Imam , Lorraine University - France

15:30-15:45	Energy transfer between up-converting nanocrystals and organic polymer J. Grzelak , K. Ciszak, M. Nyk, D. Piatkowski and S. Mackowski	Ms. Justyna Grzelak , Nicolaus Copernicus University - Poland
15:45-16:00	Energy Harvesting with Decorative Colour Specific Windows B. Fisher , E. New, D. Kutsarov, V. Stolojan and S. R. P. Silva	Mr. Brett Fisher , University of Surrey - UK
16:00-16:30 Coffee Break / Exhibition / Posters Session II		
16:30-16:45	Enhanced Thermal Conductivity of Nanofluids Containing Two-Dimensional Materials D. Lee , G. Lee, J-J. Park and M. Lee	Dr. Dongju Lee , Korea Atomic Energy Research Institute – Republic. of Korea
16:45-17:00	Nanofluids with enhanced thermal properties: an experimental and theoretical analysis J. Navas , A. Sánchez-Coronilla, E.I. Martín, R. Gómez-Villarejo, ..., C. Fernández-Lorenzo and J. Martín-Calleja	Dr. Javier Navas , Cádiz University - Spain
17:00-17:15	New Composites “LiCl/vermiculite” for Sorptive Heat Storage A.D. Grekova , L.G. Gordeeva and Y.I. Aristov	Dr. Alexandra Grekova , Novosibirsk State University - Russian Federation
17:15-17:30	Pseudocapacitive Study of Nickel Oxide Nanomaterials for Electrochemical Energy storage L. Meda , J. Adkins and C. Arnold	Dr. Lamartine Meda , Xavier Univresity of Louisiana- USA
17:30-17:45	Smart nano-composite phospho-silicate and Zinc oxide; Chal-lenges for bio-sensor and up-down shifting higher solar cell efficiency I. K. Battisha , H. A. Wahab, M. A. Salem, M. El Shaarawy, N. M. H. Shash, H. Khoder, , Z. Shaker, A. Lukowiak, M. Ferrari, A. A. Salama and B. A. Ashmawi	Prof. Inas Battisha , National research Centre- Egypt

June 2nd, 2016

NanoMatEn 2016 Session II: Nanotechnology for Environmental applications

Conference Room 212

Session's Chairs:

Prof. Joydeep Dutta, KTH Royal Institute of Technology - Sweden

Prof. M. Carmen Hermosin, IRNAS-CSIC-Sevilla - Spain

Prof. Tahar Laoui, King Fahd University of Petroleum and Minerals - Saudi Arabia

10:30-11:00	Effect of Sb segregation on conductance and catalytic activity at Pt/Sb-doped SnO ₂ interface: a synergetic computational and experimental study Q.Fu, L.C. Colmenares Rausseo†, U.Martinez , P.I.Dahl, J.M.García Lastra, P.E. Vullum, I-H. Svenum and T.Vegge	Dr. Umberto Martinez , Quantumwise - Danemark
11:00-11:15	Au@Pt Core-shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts for formic acid and glucose oxidation T.W. Napporn , Y. Holade, A. Lehoux, H. Remita and K. B. Kokoh	Dr. Teko W. Napporn , Poitiers University- France
11:15-11:30	First insight into fluorinated Pt/carbon aerogels as more corrosion-resistant electrocatalysts for Proton Exchange Membrane Fuel Cells Cathodes Y. Ahmad , S. Berthon-Fabry, L. Dubau, K.Guerin and M. Chatenet	Dr. Yasser Ahmad , Blaise Pascal University- France
11:30-11:45	Label-Free Surface Plasmon Resonance Biosensing with Titanium Nitride Thin film S.P. Ng, G. Qiu, Z. Deng and C.M.L. Wu	Prof. Chi-Man Wu , City University of Hong Kong - China

11:45-12:00	Effect of calcination temperature on photocatalytic activity of TiO ₂ /Bi ₂ O ₃ Nanofibers in the photodegradation of Acid Orange 7 (AO7) under visible light irradiation J. Jermyn , S. Siang Lee, Benny Y. Liang Tan, H. Bai and D. Delai Sun	Mr. Jermyn Juay , Nanyang Technological University - Singapore
12:00-12:15	Facile Synthesis of Highly Efficient One-Dimensional Plasmonic Photo-catalysts J. Xiong and Z. Li	Ms. Jinyan Xiong , The University of Wollongong - Australia .
12:15-12:30	Analytical TEM study on the behavior of CeO ₂ nanoparticles in Sb-V-CeO ₂ /TiO ₂ catalysts for NH ₃ -SCR Y.E. Jeong , P.A. Kumar, K-Y. Lee and H.P. Ha	Ms. Young Eun Jeong , Korea Institute of Science and Technology - Seoul - Republic of Korea
12:30-12:45	Photodegradation of Ofloxacin with nano-go/m Composite and its reuse P. Alicanoğlu and D. T. Sponza	Mrs. Pelin Alicanoğlu , Pamukkale University - Turkey
12:45-14:00 Lunch Break / Exhibition / Posters session II		
14:00-14:15	Nanostructures as Catalysts for H ₂ O ₂ Electrogeneration and Degradation of Organic Pollutants M. C. Santos	Prof. Mauro Santos , ABC Federal University - Brazil
14:15-14:30	Designing efficient bimetallic photocatalysts for hydrogen production E. Aronovitch , P. Kalisman, L. Houben, L. Amirav and M. Bar-Sadan	Mr. Eran Aronovitch , Ben-Gurion University of the Negev - Israel
14:30-14:45	Enhancing Cuprous Oxide Stability for Hydrogen Evolution J. Azevedo , S.D. Tilley, M. Schreier, M. Stefik, L. Steier, P. Dias, C.T. Sousa, J.P. Araújo, M.T. Mayer, M. Graetzel and A. Mendes	Mr. João Azevedo , LEPABE-Porto University - Portugal
14:45-15:00	Preparation of Basic Type of Activated Alumina Supports for using in Production and Separation of Hydrogen M. Duran and F.N. Tüzün	Dr. Fatma Nihal Tuzun , Hitit University - Turkey
15:00-15:15	On the applicability of Johnson-Mehl-Avrami-Kolmogorov (JMAK) approach in explaining the hydrogen sorption kinetics in nanocrystalline magnesium hydride S. Shrinivasan , A. Gangrade, N.K. Gor, H.-Y. Tien, M. Tanniru, F. Ebrahimi and S.S.V. Tatiparti	Prof. Sankara Sarma Tatiparti , Indian Institute of Technology Bombay - India .
15:15-15:30	Improving the Adhesion Capacity of Foliar Nitrogen Fertilizer through Nano networks D. Cai , N. Zhong, P. Zhao and Z. Wu	Dr. Dongqing Cai , Hefei Institutes of Physical Science, Chinese Academy of Sciences - China
15:30-15:45	Development of an "anti-bug" Bicomponent Fibre M. Bischoff , G. Seide and T. Gries	Mrs. Merle Bischoff , Institut für Textiltechnik, RWTH Aachen University - Germany
15:45-16:00	Molecularly Imprinted Polymer Nano layers for the electrochemical detection of pesticides S. Bouden , V. Bertagna, B. Cagnon and C. Vautrin-UI	Dr. Sarra Bouden , Orléans University - France
16:00-16:30 Coffee Break / Exhibition/ Posters Session II		
16:30-16:45	Carbon Nanofibers-Ionic Liquid Composite Sensors For Detection of Trace Heavy Metals L. Oularbi , M. El Rhazi and M. Turmine	Mr. Larbi. Oularbi , University Hassan II Casablanca, Morocco / Sorbonne University, UPMC University - France
16:45-17:00	Zero valent iron nanoparticles for remediation of soils contaminated with heavy metals O. Cortes, S. Machado, N. Vital, H. Gouveia , V. Correia, T. Albergaria and C. Delerue Matos	Dr. Helena Gouveia , ISQ, Taguspark - Oeiras - Portugal
17:00-17:15	Development of nano-porous geopolymer for passive cooling systems M. Alshaaer , J. Alkafawein, Y. Al-Fayez, T. Fahmy, M. Zamorano Toro and M. Martín Morales	Prof. Mazen Alshaaer , Prince Sattam Bin Abdulaziz University - Saudi Arabia

17:15-17:30	Novel Zeolite-Polyurethane Membrane for Environmental Applications H.Shehu and E.Gobina	Ms. Habiba Shehu , Robert Gordon University-Aberdeen- United Kingdom
17:30-17:45	Flue Gases Capturing Capacity of Nano-porous organic Materials R. Ullah , M. Atilhan and C.T. Yavuz	Dr. Ruh Ullah , , Qatar University- Qatar

June 2nd, 2016

NanoMatEn 2016- Symposium on Nanotechnology for Photovoltaics

Conference Room 260

Session's Chairs:

Prof. Alejandro Perez-Rodriguez, IREC- Catalonia Institute for Energy Research - Spain

14:00-14:45	High efficiency thin film photovoltaic cells in novel light confinement architectures	Prof. Jordi Martorell - ICFO - Barcelona- Spain
14:45-15:30	Nano-architectures and organic-inorganic hybrid material combinations for novel photovoltaic device concepts S. Christiansen , S. Schmitt, S. Jäckle, G. Sarau, M. Göbelt, R. Keding, M. Mattiza, B. Hoffmann and M. Latzel	Prof. Silke Christiansen , Helmholtz-Center Berlin for Materials and Energy- Germany
15:30-15:45	Metal Oxide Nanorod Arrays Fabricated by Solution Processes for Applications in Hybrid Photovoltaic Cells S. Chuangchote , W.Arpavate, N.Laosiripojana and T. Sagawa	Dr. Surawut Chuangchote , King Mongkut's University of Technology Thonburi- Thailand
15:45-16:00	Boosting impact of nanometric Ge layers on the synthesis and performance in Cu ₂ ZnSnSe ₄ solar cells P.Pistor , S.Giraldo, M.Neuschitzer, M. Placidi A.Pérez-Rodriguez and E.Saucedo	Dr. Paul Pistor , Catalonia Institute for Energy Research- (IREC) - Spain

16:00-16:30

Coffee Break / Exhibition / Posters session II

16:30-17:15	Thin Epitaxial Silicon Foils Using Porous-Silicon-Based Lift-Off for Photovoltaic Application I. Gordon	Dr. Ivan Gordon , Photovoltaics Department IMEC-Leuven- Belgium
17:15-17:45	Photon managements by employing one- and two-dimensional structures for optoelectronic devices J-H. He, and J.R.D.Retamal	Dr. Jose Ramon Duran Retamal , King Abdullah University of Science & Technology- Saudi Arabia
17:45-18:00	Zinc selenide as a potential Cd-free buffer nanolayer for CZTSe solar cells M.Placidi , M. Espindola-Rodriguez, H. Xie, F. Oliva, Y. Sanchez, M. Neuschitzer, S. Giraldo, I. Becerril-Romero, P. Pistor, V. Izquierdo-Roca, E. Saucedo and A. Pérez-Rodríguez	Dr. Marcel Placidi , Catalonia Institute for Energy Research (IREC) - Spain
18:00-18:15	SURMOFs and CNCs as novel tuneable Materials for Optical, Photonic as well as for Solar Energy Materials E. Redel	Dr. Engelbert Redel , Karlsruhe Institute of Technology (KIT) - Germany
18:15-18:30	Plasmonic Enhancement of Light Absorption by Controlled Growth of Metallic Nanoparticles F.G. Alzubi , R.M. Alrashed and A.A. Alduweesh	Dr. Feras G. Alzubi , Kuwait Institute for Scientific Research- Kuwait

June 3rd, 2016

NanoMatEn 2016- Session III: Nanotechnology for water treatment

Conference Room 561

Session Chairs:

Prof. Joydeep Dutta, KTH Royal Institute of Technology - Sweden
Dr. Alberto Figoli, Institute on Membrane Technology (CNR-ITM) - Italy

08:30-09:15	Nanotechnology for cleaning water: redox reactions the way out?	Prof. Joydeep Dutta , KTH Royal Institute of Technology - Sweden
09:15-09:30	Nanostructured membranes for water desalination: an overview M.Faccini and M. Boerrigter	Dr. Mirko Faccini , LEITAT Technological Center-Spain
09:30-09:45	Decontamination of wastewater using nanocarbon compounds insert in diatomite mesoporous structure E. Flores, O. Enriquez, J. De la Cruz, A. López, G.Poma and M.Quintana	Dr. Maria Quintana , Engineering and Technological University, Lima - Peru
09:45-10:00	Functionalization of glassy carbon electrode by amines electrochemical oxidation for micro-pollutants detection in water D. Pally, M. Alaaeddine, B. Cagnon, V. Bertagna , R. Benoit, F. Podvorica and C. Vautrin	Dr. Valerie Bertagna , University of Orleans - France
10:00-10:30 Coffee Break / Exhibition		
10:30-11:00	PVDF UF hollow-fiber membrane production as pre-treatment system in Water Desalination Reverse Osmosis Unit A. Figoli , O. Saoncella, S. Xue, S. Simone, F.Galiano, M. Boerrigter, C. Chaumette, M. Faccini and E. Drioli	Dr. Alberto Figoli , Institute on Membrane Technology (CNR-ITM) - Italy
11:00-11:15	Development of Alumina-Carbon Nanotubes Porous Membranes Using Spark Plasma Sintering Process for Water Purification T. Laoui , H. K. Shahzad, M. A. Hussein, F. Patel, N. Al Aqeeli and M. A. Atieh	Prof. Tahar Laoui , King Fahd University of Petroleum and Minerals- Saudi Arabia
11:15-11:30	The efficient separation of oil-water emulsions with a flexible, superhydrophilic and self-cleaning TiO ₂ /Fe ₂ O ₃ membrane B.Y.L. Tana , J. Juaya, J.K.K. Anga, Z.Liub and D. Suna	Mr. Benny Tan , Nanyang Technological University - Singapore
11:30-11:45	Nanostructure formation, characterization and application of ba-nana peels nanosorbent in mine water treatment O. Atiba-Oyewo , M.S. Onyango and C. Wolkersdorfer	Ms. Opeyemi Atiba-Oyewo , Tshwane University of Technology - South Africa
11:45-12:00	Fabrication of hematite photoanode for solar water splitting by using pulsed laser deposition C-P.Yen , Y-J. Li, S-J. Luo, J.Wang, C-J.Tseng and S-Y Chen	Mr. Chih-ping Yen , National Taiwan University - Taiwan
12:00-12:15	Molecular Dynamics-Continuum Hybrid Simulation of Water Transport through Carbon Nanotube Membranes A. Kudaikulov , A. Kaltayev and C. Josserand	Mr. Aziz Kudaikulov , Al-Farabi Kazakh National University - Kazakhstan
12:15-12:30	Titanium Dioxide-Based Nanocatalysts Constructed from Natural Sources for Photocatalytic Wastewater Treatment P. Kemacheevakul and S.Chuangchote	Dr. Patiya Kemacheevakul , King Mongkut's University of Technology - Thailand
12:30-12:45	Magnetic Nanoparticles Stabilized by Lignocellulosic Waste as Green Adsorbent For Cr(VI) Removal from Waste Water I.L.A. Ouma , A.E. Ofomaja and E.B. Naidoo,	Ms. Linda Ouma , Vaal University of Technology-South Africa

Posters Session II: June 2nd, 2016

NanoMatEn 2016

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
1	Solar charged redox flow battery K. Wedege , J. Azevedo, A. Khataee, A. Mendes and A. Bentien	Ms. Kristina Wedege , Aarhus University - Denmark
2	Novel Methods for the Deposition of Solution-Processed CdTe Inks for Photovoltaic Applications J.C. Russell , J.M. Kurley, H. Zhang and D. Talapin	Mr Jake Russell , University of Chicago - USA

3	Enhancement of power conversion efficiency of dye-sensitized solar cells via incorporation of GaN semiconductor materials synthesized in hot-wall CVD furnace. M. Baisariyev , R.Iskakov, G. Sugurbekova	Mr. Murat Baisariyev , Nazarbayev University - Kazakhstan
4	Fabrication of Hierarchical Nanostructures for Perfect Anti-reflection Coating S.J. Cho and T. An	Prof. Taechang An , Andong National University - Republic of Korea.
5	Modeling infrared radiation transport in insulating dielectric nanocomposites to minimize radiative thermal losses J.Tang , V.Thakore and T.Ala-Nissilä	Ms. Janika Tang , Aalto University - Finland
6	Numerical Investigations of Heat Transfer in Rectangular Micro-Channels during Single Phase Fluid Flow using Cooling Nanoliquids L. Snoussi , N. Ouerfelli, F.B.M. Belgacem and A. Guizani	Dr. Lotfi Snoussi , Research and Technologies Centre of Energy – Tunisia
7	The performance fo Zn/Ni battery using NixZn(1-x)O as anodic material to suppress Zn dendrite Y. Im , K;Su Park, T.W. Cho, J-S. Lee and M.Kang	Mr. Younghwan Im , Yeungnam University - Republic of Korea
8	Kinetic mechanisms of hydrogen sorption in nanocrystalline magnesium (hydride) S. Shrinivasan , A. Gangrade, N.K. Gor, H.-Y. Tien, M. Tanniru, F. Ebrahimi and S.S.V. Tatiparti	Ms. Sweta Shrinivasan , Indian Institute of Technology Bombay – India
9	Hydrogen production from propane steam reforming over 30Ni _x Fe _{1-x} O/70Al ₂ O ₃ catalysts Kang Min Kim ¹ , Byeong Sub Kwak ¹ , No-Kuk Park ² , Tae Jin Lee ² , Misook Kang ^{*1}	Mr. Kang Min Kim , Yeungnam University - Republic of Korea
10	Hydrogen production by propane steam reforming over transition metal (A = Fe, Co, Ni, Cu) in Mn-based metal oxide structure J. Yeon Do and M. Kang	Ms. Jeong Yeon Do , Yeungnam University - Republic of Korea
11	Three-metallic Mn-based Ni _{1-X} CoXMnO ₄ /γ-Al ₂ O ₃ (X=0.2, 0.3, 0.4, 0.5) catalysts for hydrogen production via steam reforming of propane gas S.W. Jo and M. Kang	Mr. SeungWon Jo , Yeungnam University - Republic of Korea
12	Effective hydrogen production from propane steam reforming on Co/Cex/γ-Al ₂ O ₃ M.Park and M.Kang	Mr. Minkyu Park , Yeungnam University - Republic of Korea.
13	Oxygen Reduction Reaction Catalyzed by Manganese Dioxide Nanoflowers L.R. Aveiro , V.S. Antonin, A.G.M. da Silva, E. G. Candido, P.H.C.Camargo and M.C. dos Santos	Mrs. Luci Aveiro , ABC Federal University - Brazil
14	W@Au nanostructures as catalysts for H ₂ O ₂ electrogeneration V. S. Antonin , L.S. Parreira, F.L. Silva, R.B. Valim, P. Hammer, M.R.V. Lanza and M. C. Santos	Ms. Vanessa Antonin , ABC Federal University - Brazil
15	Selective removal of lead using a nanocompound based on diatomite and graphene oxide E. Flores , O. Enriquez, J. De la Cruz, A. López, G. Poma and M. Quintana	Ms. Elena Flores , Universidad de Ingenieria y Tecnologia - Peru
16	Hybrid Nanocomposite of Nanocellulose-Silver Nanoparticles-Graphene Oxide for Environmental Remediation Purposes S.W. Chook , C.H. Chia and S. Zakaria	Dr. Soon Wei Chook , National University of Malaysia (UKM) – Malaysia
17	Study of degradability of starch-based films mixing with nano-Titanium dioxide J. Komusatitaya , S. Mataweechotikul and A. Simprasert	Dr. Juntira Komusatitaya , King Mongkut University of Technology Thonburi-Bangkok- Thailand
18	Synthesis and Characterization of Superparamagnetic Magnetite/Modified Magnetite Nano-Particles (Fe ₃ O ₄ @SiO ₂ @L) H. Çiftci, B. Ersoy and A. Evcin	Prof. Bahri Ersoy , Afyon Kocatepe University- Turkey
19	Determination of the equilibrium constant of 1,3,5-nickel benzenetricarboxylate, Ni-HKUST-1 J. Vargas , J. Balmaseda and R. Salcedo	Ms. Jaquetbet Vargas Bustamante , Universidad Nacional Autónoma de México- Mexico
20	Nanocomposite films as a gas sensor for organic compounds S.Ali , B. Horrocks and A. Houlton	Mrs. Shams Ali , Newcastle University- United Kingdom

21	Synthesis and characterization of ZnO-Ag nanoparticles supported on MCM-41 as a photocatalyst for degradation Congo Red E. M. Barrera-Rendón , G. García-Rosales and J. Jiménez-Becerril	Ms. Eva M. Barrera Rendón , Toluca Technology Institute- Mexico
22	Synthesis and Evaluation of a Carbon-TiO ₂ -CeO ₂ composite for the degradation of phenol Y. Lara-Lopez , G. García-Rosales and J. Jiménez-Becerril	Ms. Yoselin Lara-Lopez , Toluca Technology Institute- Mexico
23	Low Cost and Free TCO Porous Coal as a Counter Electrode (CE) for Dye Sensitized Solar Cell (DSSC) M.Y. Feteha , S. Ebrahim and L. Saad	Dr. Mohamed Feteha , Alexandria University- Egypt
24	Facile formation of fullerene nanostructures and their application to polymer solar cells S. Woo , W.-H. Kim and S.-J. Sung	Dr. Sungho Woo , Daegu Gyeongbuk Institute of Science & Technology- Republic of Korea
25	Comparison of the systemic nanoherbicide Imazamox-LDH obtained by direct synthesis and reconstruction: preliminary results R. Khatem , A. Bakthi and M.C. Hermosin	Prof. M. Carmen Hermosin , IRNAS-CSIC-Sevilla- Spain
26	Polymer optimised dewatering of sludge using Geotubes, a systematic approach H. Haase , W. Lieske, T. Schanz and H. Dehn	Mr. Wolfgang Lieske , Ruhr-University- Germany

European Graphene Forum – EGF 2016

Preliminary Program

June 1st, 2016		
EGF 2016- Plenary session I		
Amphitheatre G		
Session's Chairs: Dr Cinzia Casiraghi, University of Manchester- UK Dr. Camille Petit, Imperial College London- UK Prof. Giancarlo Faini, Laboratoire de Photonique et de Nanostructures, CNRS - France		
09:00-9:40	Supramolecular approaches to 2-D materials: from complex structures to sophisticated functions P.Samori	Prof. Paolo Samori , Stasbourg University - France
09:40-10:20	Water-based 2D-crystal Inks: from Production to Devices C. Casiraghi	Dr. Cinzia Casiraghi , University of Manchester- U K
10:30-11:00 Lunch Break / Exhibition / Posters Session I		
11:00-11:30	PN Junction Based Devices in Ultra-Clean Graphene P. Rickhaus, M-H. Liu, P. Makk, M. Jung, C. Handschin, S. Zihlmann, E. Tovari, R. Maurand, M. Weiss, K. Richter and C. Schönenberger	Prof. Christian Schönenberger , University of Basel - Switzerland
11:30-12:00	2-D Nanocarbons: Attraction, Reality and Future Z. Liu	Prof Zhongfan Liu , Peking University- Beijing - China
12:00- 12:30	Effects of morphology and surface chemistry of graphite nanoplates on dispersion and network formation in polypropylene melts R. M. Santos and J. A. Covas	Prof. José Covas , University of Minho - Portugal
12:30-12:45	Exploring Graphene Plasmonics for Novel Applications: From Tunable Absorption Enhancement to Strong Optical Forces J. Zhang , W. Liu, Z. Zhu, C. Guo, K. Liu, X. Yuan and S. Qin	Dr. Jianfa Zhang , National University of Defense Technology- China
12:45-13:00	Scalable Few Layer Graphene Production by Graphite Exfoliation in Liquids C. Damm , T. J. Nacken, H. Xing, Y. Hambal and W. Peukert	Dr. Cornelia Damm , University Erlangen-Nürnberg- Germany
12:45-14:00 Lunch Break / Exhibition / Posters Session I		
EGF 2016- Session I: Graphene and 2D Materials- Synthesis, Characterization and Properties		
Session's Chairs: Prof Zhongfan Liu, Peking University, Beijing - China Prof. Andrey Chuvilin, CIC nanoGUNE - Spain		
14:00-14:15	CVD-grown large-area monolayer MoS ₂ using H ₂ S D. Dumcenco , D. Ovchinnikov, O. Lopez-Sanchez, P. Gillet, D. T. L. Alexander, S. Lazar, A. Radenovic and A. Kis	Dr. Dumitru Dumcenco , EPFL - Switzerland
14:15-14:30	Centimeter-scale synthesis of ultrathin layered MoO ₃ by van der Waals epitaxy A.J. Molina-Mendoza , J.L. Lado, J.Island, M.Angel Niño, L. Aballe, M.Foerster, F.Y. Bruno, H.S. J. van der Zant, G.Rubio-Bollinger, N.Agraït, E.M. Perez, J. Fernández-Rossier and A. Castellanos-Gomez	Mr. Aday J Molina-Mendoza , Universidad Autonoma de Madrid - Spain
14:30-14:45	Plasma-assisted CVD graphene synthesis and characterization on nickel substrates P. Pop-Ghe , L. Krückemeier, N. Wöhrle and V. Buck	Ms. Patricia Pop-Ghe , University of Duisburg - Essen- Germany
14:45-15:00	A Record-Breaking mobility for CVD Graphene by suppressing the effect of charged impurities R. Nashed , K. Brenner and A. Naeemi	Mr. Ramy Nashed , Georgia Institute of Technology – USA
15:00-15:15	Chemical Kinetics during CVD Growth of Graphene S. Farhat , I. Hinkov, H-A. Mehedi and A. Gicque	Dr. Farhat Samir , CNRS LSPM-Paris 13 University- France

15:15-15:30	Optimized Synthesis of Graphene by Cobalt-Catalyzed Decomposition of Methane with Plasma-Enhanced CVD H.-A. Mehedi , B. Baudrillart, D. Alloyeau, C. Ricolleau, J. Lagoutte, A. Gicquel and S. Farhat	Dr. Hasan Al Mehedi , CNRS LSPM-Paris 13 University - France
15:30-15:45	Tuning the nature of nitrogen atoms in N-containing RGO: Enhanced thermal oxidation stability by nitrogen doping S. Sandoval , N. Kumar, A. Sundaresan, C. N. R. Rao, A. Fuertes and G. Tobias	Ms. Stefania Sandoval Rojano , Institute of Materials Science of Barcelona - Spain
15:45-16:00	Towards High Quality Graphene Flakes by Electrochemical Exfoliation of Graphite With Multifunctional Electrolytes J.M. Munuera , J.I. Paredes, S. Villar-Rodil, M. Ayán-Varela, A. Martínez-Alonso and J.M.D. Tascón	Mr. Jose Munuera , Instituto Nacional del Carbón, INCAR-CSIC - Spain
16:00-16:15	Deoxygenation of Graphene Oxide by Metalorganic Compounds N. Jalagonia , T. Kuchukhidze, N. Jalabadze, V. Tsitsishvili and R.Chedia	Mrs. Natia Jalagonia , Ilia Vekua Sukhumi Institute of Physics and Technology, Tbilisi - Georgia
16:15-16:30 Coffee Break / Exhibition / Posters Session I		
16:30-16:45	Functionalization of Graphene by [2+1] Cycloaddition Reaction at Ambient Conditions A. Faghani, R. Haag and M. Adeli	Prof. Mohsen Adeli , Free University of Berlin - Germany
16:45-17:00	A facile and scalable way to produce reduced graphene oxide/epoxy nanocomposites G.B. Olowojoba , S. Kopsidas, S.Eslava, E.S. Gutierrez, A.J. Kinloch, C.Mattevi, V.G. Rocha and A.C. Taylor	Dr. Ganiu B. Olowojoba , Imperial College London, London - UK
17:00-17:15	Benzoxazine-functionalized graphene oxide for synthesis of new nanocomposites I. Biru , C. Damian, S. A. Garea and H. Iovu	Mrs. Luliana Biru , University Politehnica of Bucharest - Romania
17:15-17:30	Electrodeposition process of graphene nano-plates on open-cells aluminum foams – a critical review A. Simoncini , V. Tagliaferri and N. Ucciardello	Mr. Alessandro Simoncini , University of Rome "Tor Vergata" - Italy
17:30-17:45	Optimization of In-Situ Polymerization Process of Graphene Nano-Platelet Composites B. Yang , J. Doucette and P. Mertiny	Mr. Bo Yang , University of Alberta - Canada
17:45-18:00	Multilayered Membranes based on Graphene and Natural Polymers for Biomedical Applications M. C. Paiva , E. Cunha, D. Moura, C. Silva, M. F. Proença and N. Alves	Dr. Maria Paiva , University of Minho - Portugal
18:00-18:15	Antimicrobial properties of RGO modified with Polysulfone Brushes and their nanocomposites J.Peña-Bahamonde , H.Nguyen, V.San Miguel, J.C.Cabanelas and D. Rodrigues	Mrs. Janire Pena Bahamonde , University Carlos III Madrid - Spain
18:15-18:30	Room-temperature positive magnetoresistance in functionalized graphene grown by CVD O.V. Kononenko , V. N. Matveev, V.I. Levashov and V.T. Volkov	Dr. Oleg Kononenko , Institute of Microelectronics Technology and High Purity Materials - Russia
18:30-18:45	Defects in irradiated graphene on metallic substrates I. Shchedrina , C. Corbel, N. Ollier, O. Cavani, T. Wade, M. Konczykowski, J-P. Renault, J. Ghilan, H. Randriamahazaka, C.S. Cojocar, I. Florea and B. Geffroy	Dr. Irina Shchedrina , Ecole polytechnique - France
18:45-19:00	High porosity Graphene/Fe ₃ O ₄ scaffolds for Electromagnetic Interference Shielding M. González , J. Pozuelo and J. Baselga	Mrs. Marta González , University Carlos III of Madrid - Spain
19:00-19:15	Effect of Post-Exfoliation Annealing and Ultrasonic Treatments on Mechanically Exfoliated MoS ₂ P. Budania , N. Mitchell and D. McNeill	Ms. Prachi Budania , Queen's University, Belfast - UK

June 2nd, 2016

EGF 2016- Plenary session II

Amphitheatre G

Session's Chairs:

Prof. Giancarlo Faini, Laboratoire de Photonique et de Nanostructures, CNRS - France

Dr. Konstantin Amsharov, University of Erlangen-Nürnberg - Germany

Prof. Alberto Fina, Polytechnic University of Turin - Italy

08:30-9:15	2D Materials: technology, standards and science A.H. Castro Neto	Prof. Antonio H. Castro Neto , National University of Singapore - Singapore
09:15-10:00	Graphene-based Platforms for Biosensing Applications A. Merkoçi	Prof. Arben Merkoçi , ICN2/CSIC/The Barcelona Institute of Science and Technology - Spain
10:00-10:30 Coffee Break / Exhibition / Posters Session II		
10:30-11:00	Carbon Based Nano-Materials/Devices K.S. Kim	Prof Kwang S. Kim , Ulsan National Institute of Science and Technology - Korea
11:00-11:30	Reaction kinetics of Stone - Wales rotation in graphene A. Chuvilin , S. T. Skowron, V. O. Koroteev, M. Baldoni, S. Lopatin, A. Zurutuza and E. Bichoutskaia	Prof. Andrey Chuvilin , CIC nanoGUNE – Spain
11:30-12:00	Ultrafast Generation of Plasmon Polaritons in High Mobility Graphene D.N. Basov	Prof. Dmitri Basov , University of California and Columbia University - USA
12:00-12:30	Design and fabrication of Graphene based platforms for Raman sensing L. Álvarez-Fraga, F. Jimenez-Villacorta, E. Climent-Pascual, R. Ramírez-Jiménez, C. Prieto and A. de Andrés	Prof. Alicia de Andrés , Materials Science Institute of Madrid (CSIC) – Spain
12:30-12:45	Imaging and spectroscopy on the 10-nm length scale M. Eisele	Mr. Max Eisele , Neaspec GmbH - Germany
12:45-14:00 Lunch Break / Exhibition / Posters session II		
EGF 2016 - Session II: Graphene and 2D Materials characterization and properties		
Session's Chairs:		
Prof. Giancarlo Faini, Laboratoire de Photonique et de Nanostructures, CNRS - France		
Dr. Konstantin Amsharov, University of Erlangen-Nürnberg - Germany		
Prof. Alberto Fina, Polytechnic University of Turin - Italy		
14:00-14:40	Graphene nanoplatelets for thermally conductive polymer nanocomposites via melt reactive extrusion A. Fina , S. Colonna, O. Monticelli, M. Tortello, R.S. Gonnelli, J. Gomez, M. Pavese, F. Giorgis and G. Saracco	Prof. Alberto Fina , Polytechnic University of Turin - Italy
14:40-15:00	Reduced Graphene Oxide Enhances Horseradish Peroxidase Stability by Serving as Radical Scavenger and Redox Mediator C. Zhang , S. Chen, P.J. J. Alvarez and W. Chen	Prof. Chengdong Zhang , Nankai University - China
15:00-15:30	Ab-initio calculations and simple models of electronic excitations in 2D materials and heterostructures K.S. Thygesen	Prof. Kristian.S. Thygesen , Technical University of Denmark - Denmark
15:30-15:45	Mechanical Property Enhancement of In-Situ Synthesized Three-Dimensional Network Graphene Reinforced Copper Nanocomposites X. Zhang , C.N.He and N.Q. Zhao	Mr. Xiang Zhang , Tianjin University - China
15:45-16:00	Next-Generation of Graphene Composites: Surface-Modified GO with Tunable Flake Orientation M. Wählander , F. Nilsson, A. Carlmark, S. Edmondson and E. Malmström	Mr. Martin Wählander , KTH Royal Institute of Technology - Sweden

16:00-16:30 Coffee Break / Exhibition / Posters session II		
16:30-16:45	Tunable Magnetism of Adatoms adsorbed on Bilayer Graphene D. Nafday , M. Kabir and T. Saha Dasgupta	Ms. Dhani Nafday , S.N. Bose National Center for Basic Sciences- Kolkata - India
16:45-17:00	Ultrafast optics in graphene K. Liu , J.F. Zhang, Z.H. Zhu, C.C. Guo, X.D. Yuan, W.M. Ye and S.Q. Qin	Prof. Ken Liu , National University of Defense Technology - China
17:00-17:15	Graphynes: from Competitors to Graphene to Atomic Sieves and Scatter F. Viñes , M. Manadé, S. Kim, P. Gamallo, J.Y. Lee and F. Il-las	Dr. Francesc Viñes , Barcelona University - Spain
17:15-17:30	Combination of the PDCs Route with the SPS Process to Easily Obtain Large and Pure h-BN Nanosheets Y. Li, S. Yuan, P. Steyer , B. Toury, V. Garnier, A. Brioude and C. Journet	Dr. Philippe Steyer , INSA Lyon - France .
17:30-17:45	Graphene based Electrically Tunable Hybrid Plasmonic-photonic Waveguide with Low-loss and Nano-scale Optical Confinement L.Singh ,Sulabh and M. Kumar	Dr Mukesh Kumar , Indian Institute of Technology-Indore - India
17:45-18:00	Electrochemically exfoliated graphite for solution-processed transparent conductive electrodes. A.Ly , P. Viville and R. Lazzaroni	Mr. Ahmadou Ly , Mons University - Belgium
18:00-18:15	Discontinuous bilayer graphene chemiresistors P. Krauss and J. J. Schneider	Mr Peter Krauss , Technische Universität Darmstadt - Germany
18:15-18:30	Spin noise in graphene detected via cross-correlation S. Omar , I.J. Vera-Marun, M.H.D. Guimarães, A. Kaverzin and B.J. van Wees	Mr. Siddhartha Omar , University of Groningen - The Netherlands
18:30-18:45	Graphene oxide framework membranes: Control the 2D interspacing toward strict molecular sieving G. Zeng , G. Li, B. Qi, X. He, Y. Zhang and Y. Sun	Dr. Gaofeng Zeng , Shanghai Advanced Research Institute, Chinese Academy of Sciences - China
18:45-19:00	Hydrogen-decorated stabilization and thermal conductivity of penta-silicene: A first principles calculation H. K. Liu , Y. Lin and M. Hu	Mr. Huake Liu , RWTH Aachen University - Germany
19:00-19:15	Enhancing the performance of dye-sensitized solar cells by incorporating various ratios of platinum and reduced graphene oxide thin film as a counter electrode N. Ahmad-Ludin , A. Bolhan, M. Y. Sulaiman, M. S. Suait, M. A. Mat-Teridi, M. A. Ibrahim, S. Sepeai, K. Sopian and H. Arakawa	Dr. Norasikin Ahmad Ludin , Kebangsaan University - Malaysia

June 2nd , 2016		
EGF 2016 - Session III: Graphene and 2D Materials properties and applications		
Conference Room 561		
Session's Chairs:		
Dr Cinzia Casiraghi, University of Manchester - UK		
Prof. Alicia de Andrés, Materials Science Institute of Madrid (CSIC) - Spain		
14:00-14:30	Platinum-Gold Alloy Nanoparticles Decorated Crumpled Graphene for Electrocatalyst H.D. Jang , S.K. Kim, J-H. Choi and H.Chang	Prof. Hee Dong Jang , Korea Institute of Geoscience and Mineral Resources - Republic of Korea
14:30-15:00	Graphene Transistor Monitoring Properties of Functional Oxides D.Suh	Prof. Dongseok Suh , Sungkyunkwan University - Republic of Korea

15:00-15:15	Infrared spectroscopy of closely aligned heterostructures of graphene and hexagonal boron nitride D.S.L. Abergel and M. Mucha-Kruczyński	Dr. David Abergel , Nordita, KTH Royal Institute of Technology and Stockholm University- Sweden
15:15-15:30	Anisotropy of Unstrained Pristine Graphene G. Shpenkov	Dr. Georgi Shpenkov , Academy of Computer Science and Management – Poland
15:30-15:45	Temperature dependent fracture of defected graphene sheets: a Molecular Dynamics study S. Nasiri and M. Zaiser	Mrs. Samaneh Nasiri , Friedrich-alexander University- Germany
15:45-16:00	Graphene: A Tunable Kerr Nonlinear Medium B. Semnani , A.H. Majedi and S. Safavi-Naeini	Mr. Behrooz Semnani , University of Waterloo – Canada
16:00-16:30 Coffee Break / Exhibition / Posters session II		
16:30-16:45	Substantial improvement of graphene-enhanced raman scattering through strain engineering of graphene G. Dobrik, P. Nemes-Incze, L.P. Biró and L. Tapasztó	Dr. Levente Tapasztó , Centre For Energy Research Hungarian Academy of Sciences – Hungary
16:45-17:00	Evaluation of Graphene Suspensions T.J. Nacken , C. E. Halbig, C. Damm, J. Walter, S. Eigler and W. Peukert	Mr. Thomas Nacken , University Erlangen-Nürnberg - Germany .
17:00-17:15	Pt nanoparticles supported on rGO/SiC hybrid material as a cathode catalyst in DMFC B. Ozdincer , K. K. Maniam and S. M. Holmes	Mr. Baki Ozdincer , The University of Manchester – UK
17:15-17:30	Graphene based coatings against corrosion K.S. Aneja , S. Bohm, A.S. Khanna and M. Thompson	Mr. Karanveer. S. Aneja , Indian Institute of Technology Bombay - India
17:30-17:45	Impact of reduction degree of graphene oxide on the photocatalytic activity of graphene oxide/TiO ₂ nanotubes M. Hamandi , G. Berhault, C. Guillard and H. Kochkar	Mrs. Marwa Hamandi , Claude Bernard University Lyon - France
17:45-18:00	Fabrication of Graphene oxides (GO) based rGO-TiO ₂ /Fe ₃ O ₄ nanocomposites for the removal of Methylene Blue and Arsenic(III) from Wastewater P. Benjwal , M. Kumar, P. Chamoli and K.K. Kar	Ms. Poonam Benjwal , Indian Institute of Technology Kanpur - India
18:00-18:15	Graphene nanoplatelets biocompatibility is improved by surface adsorption of polymers A. Pinto, A. Moreira, F. Magalhães and I. Gonçalves	Dr. Inês C. Gonçalves , University of Porto - Portugal
18:15-18:30	Functionalization of graphene field-effect transistor channel for ischemic stroke biomarker detection P. D. Cabral , E. Fernandes, F. Cerqueira, G. Machado Jr., J. Borme and P. Alpuim	Ms. Patricia Cabral da Silva , International Iberian Nanotechnology Laboratory - Portugal
18:30-18:45	A Novel SPR biosensor chip with Graphene Oxide Linking Layer Yu.V. Stebunov , O.A. Aftenieva, A.V. Arsenin and V.S. Volkov	Mr. Yury Stebunov , Moscow Institute of Physics and Technology - Russia
18:45-19:00	Heartbeat resistive sensor based on graphene nanobelt thin films A. Alaferdov, R. Savu, S. Rackauskas, T. Rackauskas, E. Joanni and S A. Moshkalev	Dr. Stanislav Moshkalev , UNICAMP, Center for Semiconductor Components - Brazil
19:00-19:15	The potential of graphene based active components in silicon photonic systems D. Schall , and D. Neumaier	Mr. Daniel Schall , AMO GmbH-Aachen - Germany
19:15-19:30	Few-Layer Graphene Langmuir Nanofilm Decorated by Palladium Nanoparticles for NO ₂ and H ₂ Gas Sensing D. Kostiuk , S. Luby, M. Demydenko, Y. Halahovets, P. Siffalovic, K. Vegso, J. Ivanco, M. Jergel, M. Kotlar, R. Redhammer and E. Majkova*	Dr. Dmytro Kostiuk , Slovak Academy of Sciences - Slovakia

June 3rd, 2016
EGF 2016 - Session IV: Graphene and 2D Materials applications

Conference Room 511

Session's Chairs:
Prof. Valerio Pruneri, ICFO-The Institute of Photonic Sciences and ICREA - Spain
Prof. Thomas Mueller, Institute of Photonics, Vienna University of Technology - Austria

08:30-09:00	Radionuclide Therapy with Neutron-Activated Graphen Oxide Nanoplatelets J Kim and M. Jay	Prof. Michael Jay , University of North Carolina - USA
09:00-09:30	Thixotropic Properties of Graphene Oxide/Hydrogel for 3D Bioprinting H. Li and L. Li	Prof. Lin Li , Nanyang Technological University - Singapore
09:30-10:00	Graphene for transparent electrodes and sensing applications V.Pruneri	Prof. Valerio Pruneri , ICFO- The Institute of Photonic Sciences and ICREA - Spain
10:00-10:30 Coffee Break / Exhibition		
10:30-11:00	Ballistic transport regimes in hBN-encapsulated graphene devices J.Wallbank and V. Falko	Dr. John Wallbank , National Graphene Institute, University of Manchester - UK
11:00-11:30	Optoelectronics with atomically thin materials T.Mueller	Prof. Thomas Mueller , Institute of Photonics, Vienna University of Technology - Austria
11:30-12:00	Nonlinear Electrodynamics and Optics of Graphene S.A. Mikhailov	Dr. Sergey Mikhailov , University of Augsburg - Germany
12:00-12:30	Graphene membranes and their use as pressure sensors H.S.J. van der Zant	Prof. Herre S.J. van der Zant , Delft University of Technology - The Netherlands
12:30-13:00	Functionalized graphene for flexible light-emitting devices E;T;Alonso, G;Karkera, G;F. Jones, S;Russo, M.F. Craciun	Prof. Monica F. Craciun , University of Exeter - UK

Posters Session II: June 2nd, 2016
European Graphene Forum - EGF 2016

Exhibition and Poster Hall

N.	Title	Author/Affiliation/Country
1	Formation of Continuous Few-layer MoS ₂ Nanosheet Film for Sensing and Detection Applications M. Demydenko , M. Jergel, D. Kostiuk, Y. Halahovets, M. Kotlar, P. Siffalovic, K. Vegso and E. Majkova	Dr. Maksym Demydenko , Slovak Academy of Sciences - Slovakia
2	Grain Boundary Structures and Electronic Properties of Hexagonal Boron Nitride on Cu (111) Q. Li , Y. Zhang and Z. Liu	Ms. Qiucheng Li , Peking University, Beijing - China
3	Large-scale Synthesis of Defects-selective Graphene Quantum Dots for Cell Imaging by Ultrasonic-assisted Liquid-Phase Exfoliation L. Lu and Y.T. Pei	Mr. Liqiang Lu , University of Groningen - Netherlands
4	CVD growth of large single crystal graphene L. Lin , H. Ren, J. Li, N. Kang, H. Q. Xu, H. Peng and Z. Liu	Mr. Li Lin , Peking University - China .
5	Fabrication and Characterization of Near Infrared Detectors based on MoS ₂ Few-layers Grown with Chemical Vapor Deposition X. Wang, L.L. Shiao and B.K. Tay	Prof. Beng Kang Tay , Nanyang Technological University - Singapore
6	Silver/nitrogen-doped reduced graphene oxide as an electrocatalyst for oxygen reduction in alkaline medium L.T. Soo, K.S. Loh , A.B. Mohamad, W.R.W. Daud and W.Y. Wong	Dr. Kee Shyuan Loh , Kebangsaan Malaysia University - Malaysia
7	Adsorption Abilities of TiO ₂ -R-OH-rGO Nanocomposites E. Kusiak-Nejman , A. Wanag, J. Kapica-Kozar, Ł. Kowalczyk, A.W. Morawski, L. Lipińska and M. Aksienionek	Dr. Ewelina Kusiak-Nejman , West Pomeranian University of Technology - Poland
8	Preparation and Tribological Performance of Nickel-Graphene Oxide Composite Coatings S. Qi , X. Li and H. Dong	Mr Shaojun Qi , University of Birmingham - United Kingdom
9	One - pot preparation of SERS nanocomposites of silver and graphene oxide with tunable properties M.O. Volodina , A.V. Sidorov, E.A. Eremina and E.A. Goodilin	Mrs. Mariia Volodina , Lomonosov Moscow State University - Russia
10	Reduced graphene oxide on/in metallic substrates: coating and composite M.A. Rodríguez-Escudero, A. Argumanez, I. Llorente, O. Caballero-Calero, M.S. Martín-González, R. Fernandez and M.C. García-Alonso	Mrs. M Cristina Garcia-Alonso , The Spanish National Research Council (CSIC) - Spain
11	High orientation degree of graphene nanoplatelets in spark plasma sintered silicon nitride composites O. Tapasztó , L. Tapasztó, V. Puchy, J. Dusza, C. Balázs and K. Balázs	Dr. Orsolya Tapasztó , Center for Energy Research, Institute of Technical Physics and Materials Sciences - Hungary
12	Observation of Alkali Metal Adsorption on Freestanding Graphene by Means of LEEPS Microscopy M. Lorenzo , J. Vergés, C. Escher, J.-N. Longchamp and H.-W. Fink	Ms. Marianna Lorenzo , University of Zurich - Switzerland
13	3D nanodendrites consisting of Pd and N-doped carbon nanoparticles as bifunctional catalyst H. K. Sadhanala , R. Nandan, and K. K. Nanda	Mr. Hari Krishna Sadhanala , Indian Institute of Science, Bangalore - India .
14	Graphene growth and transfer towards flexible substrates for microwave applications J. Njeim , A. Madouri, A. Cavanna, P. Chrétien, A. Jaffré, Z. Ren and D. Brunel	Ms. Joanna Njeim , Pierre et Marie Curie University - France
15	Multi-layered graphene interface for enhancing the stretchability of brittle conductive layers S. Won, Y. Hwangbo , K-S. Kim, H-J. Lee and J-H. Kim	Dr. Yun Hwangbo , Korea Institute of Machinery & Materials (KIMM) - Republic of Korea
16	Experimental study of the electrical properties of multilayer graphene-fullerene C ₆₀ -multilayer graphene junctions E. Benítez and D. Mendoza.	Mr. Erick Benitez , National Autonomous University of Mexico - Mexico .
17	Spin transport in fully hexagonal boron nitride encapsulated graphene M. Gurram , S. Omar, S. Zihlmann, P. Makk, C. Schönenberger and B.J. van Wees	Mr. Mallikarjuna Gurram , University of Groningen - The Netherlands

18	Ultra-Broadband Strong Absorption Enhancement in Graphene with Plasmonic Light Trapping F. Xiong and J. Zhang	Mr. Xiong Feng , National University of Defense Technology - China
19	Novel Aerosol Synthesis of Pt Nanoparticles-Laden Graphene via Microwave Plasma Spray Pyrolysis and Their Enhanced Methanol Oxidation Reaction H. Chang , E.H. Jo, S.K. Kim and H.D. Jang	Dr. Hankwon Chang , Korea Institute of Geoscience & Mineral Resources - Republic of Korea
20	Diverse anisotropy of phonon transport in two-dimensional group IV-VI compounds: A comparative study G. Qin and M. Hu	Mr. Guangzhao Qin , RWTH Aachen University - Germany
21	Effect of modified Graphene and Montmorillonites and their mixtures on the properties of biodegradable PLA/PCL blend A. Habi , B.S.Bouakaz, Y. Grohens and I. Pillin	Dr. Abderrahmane Habi , A. Mira de Béjaia University - Algeria .
22	Magneto-optical characterization of super-lattices in graphene T. Wolf , I. P. Levkivskiy, O. Zilberberg and G. Blatter	Mr. Tobias Wolf , ETH Zurich - Switzerland
23	Conference topic: applications of graphene in biomedical area Graphene Oxide Based Sensing of Small Molecules O.A. Aftenieva , Yu.V. Stebunov and A.V. Arsenin	Ms. Olha Aftenieva , Moscow Institute of Physics and Technology - Russia
24	Development of Graphene-based Barriers for Solar Cells G. Rossi , M.Sarno, C.Cirillo and L. Incarnato	Dr. Gabriella Rossi , University of Salerno - Italy
25	Green chemistry process for the synthesis of next generation of photocatalyst based on graphene nanocomposites O. Fellahi , F. Khili, N. Belalia, B. Khenfous, Z. Belaid, T. Hadjersi and R. Boukherroub	Dr. Ouarda Fellahi , CRTSE - Algeria
26	FlexeGRAPH: Graphene and 2D Materials Production at The Australian National University S.M Notley	Dr. Shannon M Notley , The Australian National University- Australia