

Program of the Nanotech Dubai 2013 International conference and Exhibition

Monday- October 28th, 2013 (Ballroom Samaya C) Advanced Materials, Fabrication, Characterization & Tools	
8.00- 9.45	Registration- Welcome coffee
	Chair : Prof Taleb Ibrahim (American University of Sharjah, UAE) and Dr Khaled Saoud (Virginia Commonwealth University, Qatar)
Plenary talk 9.45-10:30	Dr. Khaled Saoud (Virginia Commonwealth University in Qatar, Qatar) Nanotechnology: An Overview
10.30-10.45	Cosimo Carfagna , Maurizio Avella, Maria Emanuela Errico, Gennaro Gentile (Institute of Polymer Chemistry and Technology (ICTP-CNR), Italy) Polymer Nanocomposites: Functionalization of the Nanofiller and Control of the Interface
10.45-11.00	H. Ling , J. Lu, J. Kong, P.S. Lee, D. Mandler, X. Lu (Nanyang Technological University, Singapore and University of Jerusalem, Jerusalem) Enhanced electrochromic properties of layer-by-layer co-deposited PEDOT:PSS and tungsten oxide hybrids
11.00- 11.15	Vinod Kumar Gupta , Anurag Mehra and Rochish Thaokar (Indian Institute of Technology, Mumbai, India) A Facile Route for the Synthesis of Nickel Nanoneedle
11.15-11.30	E. Manikandan , B. Mwakikunga, J. Kennedy, K.Kaviyarasu S.B. Mohamed and M.Basheer Ahamed (B.S. Abdur Rahman University, India, National Centre for Nano-Structured Materials(NCNSM), South Africa and National Isotope Centre, GNS Science, New Zealand) Epitaxial ZnOc-plane(002) over carbon buffer layer formation of a-DLC thin films
11.30-11.45	Tomasz Koźlecki and Aleksander Filarowski (Wrocław University of Technology and University of Wrocław, Poland) Fluorescently labeled polymeric nanoparticles.
11.45- 12.00	S. Sabbaghi , A. Mahdiyar and M.Mohammadi (Shiraz University, Iran) Fabrication of Ceramic Membranes Coated with MWCNT and Titanium isopropoxide by Spin-Coating technique
12.00-12.15	Sabiha Sultana , Muhammad Saleem Khan and Uzma Khalil (University of Peshawar, Pakistan) Fabrication and characterization studies on thin films nanocomposites of PEO/PMMA/LiClO₄/Coal ash blend composites.
12.15-12.30	Mukhles Sowwan (Okinawa Institute of Science and Technology, Japan) Silicon-Silver Multicomponent Heterostructured Nanoparticles: Synthesis, Morphology and Growth Kinetics
12.30-12.45	Karim H Hassan (University of Diyala, Iraq) Synthesis of CoMo/ γ-Al₂O₃ Hydrodesulphurization Nanocatalyst by co-precipitation method
12.45-14.00	Lunch break- Poster Session 1- Exhibition
Plenary talk 14.00- 14.45	Prof. Andrea C. Ferrari (Director of the Cambridge Graphene Centre, University of Cambridge-United Kingdom) Graphene Future Emerging Technology

14.45- 15.00	Julie Pilate , Christophe Caucheteur, Philippe Dubois and Pascal Damman (University of Mons, Belgium) In-situ and Real time monitoring of surface-initiated polymerization using tilted fiber Bragg Gratings
15.00- 15.15	EI-Hadi Sadki , Tohru Watanabe, Takahide Yamaguchi, Yoshihiko Takano (United Arab Emirates University, Al-Ain, United Arab Emirates, National Institute for Materials Science, Japan) Tomonaga Luttinger Liquid and Coulomb Blockade in a Single Walled Carbon Nanotube aligned on a Quartz Substrate
15.15-15.30	Jaroslava Morávková, Aneta Krausová , Miroslav Tejkl and Petr Sazama (PARDAM R&D Laboratory & Production facility and ÚFCH JH AVČR, Czech Republic) Yttria-and lanthanum-doped zirconium dioxide nanofibers: the efficient way to increase the specific surface area
15.30-15.45	Ermanno Miele , Mario Malerba, Andrea Toma and Francesco de Angelis (University of Genova, Italy) 3D elongated hollow nanostructures for plasmonic applications
15.45-16.00	Khaled Raed and Ulrich Gross (Institute of Thermal Engineering- Freiberg, Germany) Investigation of Nanoeffects on Effective Thermal Conductivity of Porous Media
16.00-16.15	Coffee break- Poster Session 1 - Exhibition
Invited talk 16.15-16.30	Sanjay Kumar and Ajay (IIT Roorkee, India). Electronic Spectral Properties of multilayer Graphene: A tight binding Approach
16.30-16.45	Edreese H. Alsharaeh , Ali. A. Othman, Mohammad. A. Aldosari and James Terner (Alfaisal University and King Abdulaziz City for Science & Technology (KACST), Kingdom of Saudi Arabia) Microwave Irradiation Effect on the Dispersion and the thermal Stability of RGO Nanosheets within Polystyrene Matrix
Invited talk 16.45-17.00	Vincent Larat and Emmanuel LEROY (HORIBA Scientific) AFM-Raman applied to nano-samples: more than the sum of two techniques
17.00-17.15	Lianbin Zhang and Peng Wang (King Abdullah University of Science and Technology, Kingdom of Saudi Arabia) Remotely controllable liquid marbles
17.15-17.30	Ghodratollah Hashemi Motlagh and Ali Boroomand (University of Tehran, Iran) Preparation of Polyaniline Nanocomposites Containing Carbon Nanoparticles via in-situ Polymerization
17.30-17.45	Pournami Vijayan , Marykutty Thomas, Poornima Vijayan and K.C. George (S.B.College-Kerala, India, B.C.M College- Kerala and Mahatma Gandhi University-Kerala, India) Effect of Fe doping on optical properties of TiO₂ nanotubes
17.45- 18.00	R.R Nair, I-L Tsai , M. Sepioni, A.K Geim & I.V Grigorieva (Manchester Centre for Mesoscience and Nanotechnology, United Kingdom) Dual origin of defect magnetism in graphene and its reversible switching by molecular doping
18.00- 18.15	Noriah Yusoff, Nor Hayati Saad, Mohsen Nabipoor and Suraya Sulaiman (MIMOS Berhad-Kuala Lumpur and Universiti Teknologi MARA (UiTM)-Shah Alam Selangor Malaysia) Hydrogen Plasma Treatment of Multi-Wall Carbon Nanotubes For Fast Response And Highly Sensitive Capacitive Type Sensor
18.15-19.15	Poster Session 1 – Exhibition

Monday- October 28th, 2013 (Ballroom Samaya D) Advanced Materials, Fabrication, Characterization & Tools	
8.00- 9.45	Registration- Welcome coffee
	Chair : Prof Erich Sackmann (Technische Universität München- Germany) and Prof Adnane Abdelghani (National Institute of Applied Science and Technology, Tunis-Tunisia)
Plenary talk 9.45-10:30	Pr. Erich Sackmann (Technische Universität München- Germany) Nanotechnology: An Overview
Invited talk 10:30- 10.45	Parisa Pourhossein and Ryan C. Chiechi (University of Groningen, Netherlands) The Fabrication of Nanogap Electrodes Using Nanoskiving
10.45-11.00	Ahmed A. Abdala (Department of Chemical Engineering, the Petroleum Institute, Abu Dhabi, UAE) Polymer-Graphene Nanocomposites: Effect of the Matrix and Processing Conditions
11.00-11.15	Hatem Abuhimd , Mushtaq Dar and Mohamed Abdelaty (King Abdulaziz City for Science and Technology, King Saud University and Alfaisal University, Kingdom of Saudi Arabia). CVD Grown Multilayer Graphene on Copper Film-A Versatile Approach.
11.15-11.30	Durga Prakash M , Siva Rama Krishna V , Shiv Govind Singh , Asudeb Dutta , and C. S. Sharma (Indian Institute of Technology Hyderabad, India) Preparation and Physicochemical characterization of Multi Walled Carbon Nanotube embedded SU-8 electrospun nanofibers
11.30- 11.45	Zhou Chenghong (Beijing Institute of Tracking and Telecommunications Technology, China) Preparing 2D Atomic Crystals like popcorn
11.45-12.00	Sozaraj Rasappa , Lars Schulte , Dipu Borah , Michael A Morris and Sokol Ndoni (Denmark Technical University, Denmark and University College Cork, Ireland). Block copolymer self-assembly based nanopattern creation for sub-16nm device fabrication
12.00-12.15	Md. Mahfuzur Rahman , Faisal Abdulla AlMarzooqi and Amal Al Ghaferi (Masdar Institute- Abu Dhabi, United Arab Emirates) Effect of annealing time during LPCVD growth of single-walled carbon nanotubes
12.15-12.30	Z. Abdel Hamid , M. Abuel Kheir , M. Hassan Gomaa , Fatma A. Morsy , Nevien Abdel Atty khalifa (Central Metallurgical Research & Development Institute (CMRDI) and Helwan University, Egypt) Formation and Characterization of NanoPorous and Hard Anodized layers on pure Al and 3004Al alloy
12.30-12.45	S.B.Mohamed , K. Kaviyaras and E. Manikandan (B.S.Abdur Rahman University-Chennai, India) AZO(Al:ZnO) nanoparticles by modified sol-gel method
12.45-14.00	Lunch break- Poster Session 1 – Exhibition
14.00-14.15	Mahmoud M. Khader , Mohammed Al-Marri and Mustafa Zagho (Qatar University-Doha, Qatar) Enhanced mechanical properties and characterizations of intercalated poly(vinyl alcohol)-clay nanocomposites
14.15-14.30	Ameni Ben Daly , Frédéric Bernadot , Christophe Testelin , Mhamed Ali Maaref and Aristide Lemaitre (Materials, Molecular and Applications laboratory, Institut Préparatoire aux Etudes Scientifiques et Techniques, Tunisia, Paris Nanoscience Institute, UPMC Université Paris06 and Photonics and Nanostructures laboratory, CNRS, France) Population and thermal redistribution of carrier relaxation in AlInAs/AlGaAs quantum dots observed by pump-probe measurement
14.30-14.45	Ihsan Ullah and Muataz Ali Atieh (King Fahd University of Petroleum & Minerals, Kingdom of Saudi Arabia) Effect of MWCNT on grafted polymer (HDPE-MA)/CNT nano-composite properties.
14.45- 15.00	Syara Kassim , Sibu Padmanabhan and Martyn Pemble (Tyndall National Institute, University College Cork, Ireland and Universiti Malaysia Terengganu, Malaysia) Fabrication and Characterisation of Colloidal Photonic Crystals Prepared from Au Nanoparticle-decorated Colloidal PMMA Spheres
15.00- 15.15	X.D. Li , O. Elkedim and F. Cuevas (Belfort-Montbéliard Technology University and ICMPE, CNRS-UMR 7182, France)

	Micro-structure and electrochemical hydrogen storage properties of (TiH₂)_{1.5}Mg_{0.5}Ni alloys prepared by mechanical milling
15.15-15.30	Huseyin Kizil , Mumin Balaban and Levent Trabzon (Istanbul Technical University, Turkey) Biomimetic Antireflection Coatings on Silicon
15.30-15.45	Pouriya Norooz Kermanshahi , Paria Norouz Kermanshahi and Mohammad Reza Ahmadzadeh (Payame Noor University, Ferdowsi University of Mashhad and Islamic Azad University, Iran) Application of Phase Change Materials Nanocapsules (NanoPCMs) in Automotive Textiles
15.45-16.00	Syed Mustansar Abbasa , Syed Tajammul Hussaina and Saqib Ali (National Centre for Physics and Quaid-e-Azam University, Pakistan) A Facile Synthesis of Yttria-Modified Titania- CNTs Composite as an Anode Material for Lithium-ion Batteries
16.00-16.15	Coffee break- Poster Session 1 - Exhibition
16.15-16.30	A. S. Ismail (University of Al Anbar, Iraq) Possible Routs to Use Products of Electrocracking for the Synthesis of Carbon Nanostructures
16.30-16.45	I. Jurewicz , R. Shanker, R.J. Smith, A. Fahimi, J.L. Keddie, J.N. Coleman and A.B. Dalton (University of Surrey, United Kingdom and Trinity College Dublin, Ireland). Latex Based Templated Assembly of Carbon Nanotube and Graphene Based Functional Materials
16.45-17.00	Arshad Hussain Wazir, Imran Waseem Kundi (University of Science & Technology Bannu Khyber, Pakistan) Preparation and characterization of grapheme nano-sheets by electrochemical exfoliation of graphite
17.00-17.15	Uzma Khalil and M.Saleem Khan (University of Peshawar, Pakistan) Structural and thermal behavior of PMMA/PEO/PVAc blended composites upon addition of lithium salt.
17.15-17.30	JimmyJohn , Subash ,Uvais and Soney Varghese (Amity University and National Institute of Technology-Calicut, India) The Synthesis and Characterization of Graphene-CNT-Polyimide hybrid nanocomposite
17.30-17.45	A. Vyas, Anil Kumar, Sandeep Kumar, Ankush Vij and R. Brajpuriya (Amity University Haryana, Panchgaon, Manesar,Gurgaon, Deenbandhu Chhotu Ram University of Science & Technology and National Institute of Science and Technology, India) Thickness and temperature dependent magnetic and transport study of Fe/Al nanostructures
17.45- 18.00	Mohamed Ahmed AbdelKawy , Ahmed El Shazly, Yehia EL Shazly and Satoshi Watanabe (Japan University for Science and Technology (E-JUST), Egypt) Production of pure nano-iron by using K-M Micro mixer for powder metallurgy applications
18.00-18.15	N. Moulai-Mostefa , N. Moudir and Y. Boukennous (University of Medea, Ain D'Heb and Research Center for Semiconductor Technology for Energy, Algier, Algeria) Synthesis of silver nanoparticles using a series of glycolderivatives
18.15-19.15	Poster Session 1 - Exhibition

Tuesday- October 29th, 2013 (Ballroom Samaya C)	
Nanotech in Life Sciences & Medicine/ Nanotechnology safety	
Chair : Prof Taleb Ibrahim (American University of Sharjah, UAE) and Prof Erich Sackmann (Technische Universität München- Germany)	
Plenary talk 9.00-9.45	Prof. Jackie Ying (Executive Director, Institute of Bioengineering and Nanotechnology, Singapore) Nanomaterials for Biomedical and Green Chemistry Applications
9:45- 10:00	Joachim Storsberg , Christian Schmidt, Gernot I. W. Duncker, Norbert F.Schrage and Saadettin Sel (Fraunhofer Institute for Applied Polymer Research, Augen-Laserzentrum Halle, Clinic for Ophthalmology, D-51109 Köln, Germany, Heidelberg University Hospital, Clinic and Polyclinic for Ophthalmology, Germany) Nanotechnologically Modified Biomaterials in Ophthalmology–Artificial Corneas for Restoring Vision
10.00-10.15	Ajay Agarwal (CSIR-Central Electronics Engineering Research Institute & Academy of Scientific & Innovative Research, India) Nano/ Micro-Electronicsfor Bio-Medical Applications
10.15-11.00	Coffee break- Poster Session 2 – Exhibition
Invited talk 11.00-11.15	Rached Jaafar (Nanosurf AG, Switzerland) FluidFM: A micromanipulator with force control for single cell adhesion or injection experiments
11.15- 11.30	Afeesh Rajan Unnithan , R.S.Arathyram, Yesupatham Sathishkumar and Cheol Sang Kim (Chonbuk National University, Republic of Korea) Electrospun Antibacterial Bioactive Composite Nanofibers for Wound Dressing Applications
11.30-11.45	V Natarajan , Chandan Kumar Reddy, A Tamil Selvi and B Madhan (CSIR-Central Leather Research Institute, Chennai, India) Quercetin nanoparticles loaded Collagen scaffold: Implants for tissue reconstruction after mastectomy of cancerous breast.
11.45-12.00	Janusz Sadowski , Annika Jokinen and Niko Granqvist (BioNavis Ltd, Finland) MP-SPR – A New Optical Characterization Method for Molecular Interactions and Ultrathin Films
12.00-12.15	Ali A A Alghamdi (University of Dammam, Kingdom of Saudi Arabia) MCNPX Monte Carlo simulation of Gold Nano-Particles activated by X-ray photon sources
12.15-12.30	Marcela Buchtova , Petra Cela, Lucie Vrlíkova, Ivan Misek, Zbynek Vecera (Masaryk University and Academy of Sciences of the Czech Republic, Czech Republic). Transport of inhaled manganese oxides nano-sized particles and their effect on organs
12.30-12.45	Anbarasan.B, Niranjana.V.A and Ramaprabhu.S (Indian Institute of Technology Madras (IITM), India). Development of formulation and in-vitro evaluation of Capecitabine loaded Fe₃O₄ Nanoparticles modified with PLGA-PEG polymer for colon cancer treatment.
12.45-14.00	Lunch break- Poster Session 2 - Exhibition
Invited talk 14.00-14.15	Irshad Hussain (SBA School of Science & Engineering (SSE), Lahore University of Management Sciences (LUMS), Pakistan). Nanostructured Materials-Synthesis and Applications in Chemical and Biomedical Sciences
14.15- 14.30	Neelotpol Sarkar and Susmita Mitra (Amity Institute of Nanotechnology, India) HIV/AIDS Nanomedicine
14.30- 14.45	Arsalan Ahmed and Mohammad Mujahid (University of Sciences and Technology, Islamabad, Pakistan) Biodegradable Polymer-hydroxyapatite Composite Scaffolds: Fabrication and Properties
14.45- 15.00	Zahra Mirei , Minoo sadri and Iman yousefi (Azad University of Pharmaceutical Science Branch, Malek Ashtar University of Technology, and University of Tehran, Iran). Electrospinning of Chitosan/Poly(ethylene oxide)/Henna leaf extracts Nanofibers as Potential Wound Dressing Agents for Tissue Engineering

15.00-15.15	Azra Parveen , M. Ehtisham Khan, Braj Raj Singh, Wasi Khan, and Alim H. Naqvi (Centre of Excellence in Materials Science (Nanomaterials), Aligarh Muslim University, India) Synthesis and characterization of Iron fluoride nanoparticles and its antibiofilm activity.
15.15-15.30	Fariborz Elahi , Stefan Wöhrer and Inna Sabdyushevalitschauer (Vienna Medical University and Technical University of Vienna, Austria) Hydroxyapatite composite accelerate proliferation and osteogenic differentiation of rat bone marrow derived mesenchymal stem cells
15.30-15.45	Ankit Anand Kharia , Akhlesh Kumar Singhai and Jayant Yadav (Oriental College of Pharmacy, Uttarakhand Technical University, Lakshmi Narayan College of Pharmacy and Alliance Medicare Pvt. Ltd, India) Development and optimization of gastro-retentive muco-adhesive nanoparticles of acyclovir by design of experiments approach
15.45-16.00	F.F.O. Sousa , A. Luzardo-Álvarez, J. Blanco-Méndez, F.J. Otero-Espinar, M. Martín-Pastor and I. Sández Macho (University Federal of Amapá, Macapá, Brazil and University of Santiago de Compostela, Spain) Development and physical-chemical characterization of zein nanoparticulate complexes
16.00-17.00	Coffee break- Poster Session 2 – Exhibition

Tuesday- October 29th, 2013 (Ballroom Samaya D)	
Nanotech in Life Sciences & Medicine/ Nanotechnology safety	
Chair : Prof F. Arefi Khonsari (Chimie ParisTech, France) and Prof Mohamed Elayeb (Institut Pasteur, Tunisia)	
Plenary talk 9.00-9.45	Dr. Bouzid Mena (Research Program Director, Fluorotronics, Inc, San Diego, CA- USA) Protein Bioencapsulation: Lab-in-Glass Perspective and Applications
9:45- 10:00	Christian Schmidt , Joachim Storsberg, Nurdan Doğangüzel, Stefanie Klöpzig, Sophia Rehfeldt, Jens-Peter Krause and Mont Kumpugdee Vollrath (Fraunhofer Institute Applied Polymer Research and Department of Pharmaceutical Engineering, Germany) Synthesis of doxorubicin containing drug carriers and in-vitro performance on HeLa and HCT116 cells
10.00-10.15	H. Yu, X. Qiu, S. P. Nunes and K.-V. Peinemann (Advanced Membranes and Porous Materials Center and King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia) Biomimetic Stimuli-responsive Nanoporous Particles by Block Copolymer Self-assembly
10.15-11.00	Coffee break- Poster Session 2 – Exhibition
11.00-11.15	Sana Riabi , Thomas Trimaille, Kamel Mabrouk, Denis Bertin, Didier Gigmes, Zakaria Belasfar, Nourredine Ben Khalef, Mehdi Chenik and Mohamed Elayeb (Pasteur Institute, Tunisia, UMR 6264–Laboratoire Chimie Provence équipe CROPS, Marseille, France) Contribution of biodegradable nanoparticles in immunotherapy against scorpion envenomation and vaccination against cutaneous Leishmaniasis
11.15- 11.30	Farah Benyettou and Ali Trabolsi (New York University Abu Dhabi, United Arab Emirates) Magnetic Nanocontainers: Theranostic Nanotools for Cancer Therapy and Imaging
11.30-11.45	Anita Venkatanarayanan , Aurélien Gimenez, Tia E. Keyes, Robert J. Forster (Dublin City University, Ireland) Electrochemical Electrochemical Detection of Sub-Femto molar concentrations of DNA without amplification
11.45-12.00	Mohammed Baalousha (Center for Environmental Nanoscience and Risk, University of South Carolina, USA) Dimensional Nanometrology: a Multi Method Approach
Invited talk 12.00-12.15	Andrew Malloy , Ben Owen, Patrick Hole, Phil Vincent, Agnieszka Siupa, Bob Carr (NanoSight Ltd., United Kingdom) Nanosuspension characterization: Application of NTA to research in drug delivery and general characterization
12.15-12.30	Miroslav D. Dramićanin , Željka Antić, Marko Nikolić, Dragana Jovanović, Sanja Čulubrk and Vesna Lojpur (University of Belgrade, Serbia). Rare earth ion doped TiO₂ nanoparticles for fluorescence thermometry
12.30-12.45	Eman Shams (Qatar University, Qatar) My Method in teaching chemistry and its application using modern technology
12.45-14.00	Lunch break- Poster Session 2 – Exhibition
Invited talk 14.00-14.30	Leigh J. Mack and George P. Einstein (USAT Montserrat College of Medicine Montserrat, St. Petersburg, USA) Real applications of nano-materials in clinical medicine.
14.30-14.45	Nanjappa Kempaiah and Sri.Sri.Ayurveda (BITS-Pilani, IISc, IITBombay, M.K.Hitech and the Art of Living Foundation Bangalore, India) Ancient Nanotechnology is Today's Cutting Edge Technology-Naturally available Nanoparticles in Nature, Nanomedicines & Modern Nanotechnological Solutions
14.45-15.00	Zhenzhong Zhang , Jinjin Shi, Yan Liu, Jun Gao and Lei Wang (School of Pharmaceutical Sciences, Zhengzhou University, China) GO@Ag hybrid nanoparticle as a powerful PTT agent, near-infrared light-triggered tumor targeting drug delivery platform and X-ray contrast agent
15.00-15.15	X. Qiu, H. Yu, M. Karunakaran, N. Pradeep, S. P. Nunes and K.-V. Peinemann (Advanced Membranes and Porous Materials Center, Water Desalination and Reuse Center and King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia)

	Selective Separation of Similarly Sized Proteins with Tunable Nanoporous Block Copolymer Membranes
15.15-15.30	Saman Hendessi and Filiz Altay (Istanbul Technical University-Istanbul, Turkey) Electrospinning of food-grade nanofibers from gelatin solution containing cellulose acetate
15.30-15.45	Suresh Kumar R , Madhu Vinjamur, Mamata Mukhopadhyay (Indian Institute of Technology-Bombay, India) Silica Aerogel Microparticles from Rice Husk Ash Using Emulsion method
15.45-16.00	Wasfy M. Obeidat and Al-Sayed A. Sallam (Department of Pharmaceutical Technology, Jordan University of Science and Technology, Jordan). Preparation of Tadalafil Nanosuspensions and Tablets to Improve Its Dissolution Rate Using Probe Ultrasonication Technique
16.00-17.00	Coffee break- Poster Session 2 – Exhibition

Wednesday- October 30th, 2013 (Ballroom Samaya C) Nanoscale Electronics, Energy & Environment	
Chair: Prof Adnane Abdelghani (National Institute of Applied Science and Technology, Tunis-Tunisia) and Dr. Bouzid Mena (Fluorotronics, Inc, USA)	
Plenary talk 9:00-9:45	Prof. Axel Lorke (Faculty of Physics and CeNIDE, University of Duisburg-Essen-Germany) Nanoparticles for Energy Applications
9.45-10.00	Vesna Lojpur , Adela Egelja, Jelena Pantić, Branko Matović and Miroslav D. Dramićanin (University of Belgrade, Serbia) Photoluminescent properties of YAG nanoparticles doped with rare earth ions prepared via modified glycine nitrate method.
10.00- 10:15	Mehdi Elhamnia , G. Hashemi Motlagh, Zahra Abbasian and Rahimeh Godarzi (College of Engineering, University of Tehran, Iran). The effect of nano-graphite/graphene chain grafting on the electrical conductivity of polymer nano-composites containing nano-graphite/graphene
10.15-10.45	Coffee break- Poster Session 3 - Exhibition
Invited talk 10.45-11.00	M. M. El-Desoky , M. S. Al-Assiri and A. A. Bahgat (Suez University and Al-Azhar University, Egypt and College of Science Nagra University, KSA). Synthesis, Structural and Transport Properties of Na_xV₂O₅.nH₂O Nanocrystalline Thin Films
11.00-11.15	Khalid Mujasam Batoo (King Abdullah Institute for Nanotechnology, King Saud University, Kingdom of Saudi Arabia) Improvement of transport electrical and magnetic properties of Ni doped Cobalt Ferrite nanoparticles
11.15- 11.30	N. Bengourna , F.Despetis, L.Bonnet, R.Courson, P.Solignac, H.Satha, and N.Olivi-Tran (University 08 mai 1945-Guelma, Algeria, UMR CNRS, Université Montpellier, France and Laboratoire d'Analyse et d'Architecture des Systèmes-Toulouse, France) Electrical, textural and structural characterization of EMIMAc silica ionogels and their corresponding aerogels
11.30-11.45	Muhammad Rizwan Javed , Andreas Buthe, Muhammad Hamid Rashid c and Ping Wang (Government College University Faisalabad, Industrial Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Pakistan and Biotechnology Institute, University of Minnesota, St. Paul, MN 55108, USA) Entrapment of β-glucosidase in nanoscale latex and silicone polymeric thin films on fibrous support.
11.45-12.00	Abelmoneim Mars, Noureddine Raouafi , Khaled Boujlel and Arben Merkoçib (University of Tunis, Tunisia, Catalan Institute of Nanoscience and Nanotechnology-Barcelona and ICREA, Barcelona, Spain) Carbon SPEs and ferrocene-tagged gold nanoparticles as a platform for sensitive amperometric Immunosensing of human IgG.
12.00- 12.15	Daryoush Shiri , Amit Verma and Mahmoud. M. Khader (University of Waterloo, Canada, Texas A&M University, USA and Qatar University, P. O. Box 2713, Doha, Qatar). Density Functional Theory (DFT) and Ensemble Monte Carlo (EMC) Study of Photocurrents in Mechanically Strained Silicon Nanowires.
12.00-12.30	Subramaniam C.K. (School of Advanced Sciences, VIT University, India) Graphene based Solid State Electrochemical Double Layer Capacitors
12.30-12.45	Samir Chatbouri , Touati Amine, Manel Troudi, Nabil Sghaier and Adel Kalboussi (Monastir University, IPEIN-Carthage University, Tunisia). Study of localization of centers traps at the interface Si / SiO ₂
12.45-14.00	Lunch break- Poster Session 3 – Exhibition
14.00-14.30	Prof Adnane Abdelghani (Head of Nanotechnology Laboratory, National Institute of Applied Science and Technology, Tunis-Tunisia) Multi-walled Carbon Nanotubes for Chemical Vapors Sensing
14.30-14.45	N. Gabouze , N.Chiboub, M.Berrouaken and L.Tabli (University Saad Dahleb-Blida and CRTSE-Algiers, Algeria) Realization and characterization of Al/PANI/BDD structures. Application for ammonia

	sensing
14.45- 15.00	I. Jurewicz, P Lyons, R.J. Smith, A. Fahimi, J.N. Coleman and A.B. Dalton (University of Surrey, United Kingdom and Trinity College Dublin, Ireland) Solution Processed Silver Nanowire/Graphene Hybrids for High Performance Inexpensive Transparent Electrodes
15.00- 15.15	Amirul Abd Rashid , Nor Hayati Saad, Daniel Bien Chia Sheng and Teh Aun Shih (MIMOS Berhad, technology Park Malaysia-Kuala Lumpur, Malaysia) Low Dense CNT for Ultra-Sensitive Functional Chemoresistive Gas Sensor Development
15.15-15.30	P.V.Ashrit and Marc Collette (Department of Physics and Astronomy, Moncton University , Canada) High Pressure Sublimated and Condensed Nanostructured Tungsten Trioxide Thin Films for Electrochromic Devices
15.30-15.45	Mohammad R. Alenezi , Abdullah S. Alshammari, K. D. G. I. Jayawardena, Michail J Beliat, Simon J. Henley, and S. R. P. Silva (University of Surrey, United Kingdom) The importance of polar facets for gas sensing in ZnO nanostructures
15.45-16.00	Lv Yunbo , Xiaowen and Ding Jun (Graduate School for Integrative Sciences and Engineering National and School of Materials Science&Engineering, University of Singapore, Singapore) Synthesis of ZnO Nanoparticles with High Intensity Color Emission and the Mechanism Study
16.00-16.15	Coffee break- Poster Session 3- Exhibition
16.15-16.30	Ferhan Abdul Rahim and Kim Dong-Hwan (Nanyang Technological University, Singapore) Assembly of Gold Nanoparticles in Polymer Brush for Solid Phase Colorimetric Sensing
16.30-16.45	A.Boukezzata , A. Keffous, H. Menari and M. Kechouane (Research center in Technology of the Semiconductors for Energetic and Houari Boumediene University- Algiers, Algeria). Investigation properties of Au-porous a-Si_{0.6}C_{0.4}:H as humidity sensor
16.45-17.00	Abdullah S. Alshammari , Mohammad R. Alenezi and S. R. P. Silva (University of Surrey, UK, College of Science, University of Hail, Kingdom Saudi Arabia and College of Technological Studies, Kuwait) Inkjet printing of polymer functionalized CNT for high performance low cost gas sensors
17.00-17.15	Karel Král (Institute of Physics, Academy of Sciences of Czech Republic Czech Republic) Photoluminescence of Hybrid Quantum Dots
17.15-17.30	S. Zeinali and R. Irvani (Department of Nanochemical Engineering and Nanotechnology Research Institute, Shiraz University, Iran) Highly Sensitive and Selective Colorimetric Sensor for Mercury Detection Based On Gelatin Coated Silver Nanoparticle
17.30-17.45	M. N. Kalasad , M. K. Rabinal, B. G. Mulimani and N. C. Greenham (SDM College of Engineering & Technology-Karnataka, Karnatak University-Karnataka, India and University of Cambridge, Cambridge, UK) Size Tunable Near Infrared High-Quality PbS Quantum Dots
17.45-18.00	Syeda Sara Hassan , Sirajuddin and Amber Rehana Solangia (University of Sindh, Pakistan) Sensitive and simple voltammetric determination of paracetamol in acidic media using gold nanoparticles-modified glassy carbon electrode
18.00-18.15	Jignasa N. Solanki , Mohit Singh and Mangesh Lanjewar (Sardar Vallabhbai National Institute of Technology- Gujarat, India) Synthesis of antimony doped ZnO and silver doped ZnO thin film by SILAR method for capturing visible radiation range in photoelectrochemical applications.

Wednesday- October 30th, 2013 (Ballroom Samaya D) Nanoscale Electronics, Energy & Environment	
Chair : and Prof F. Arefi Khonsari (Chimie ParisTech, France) and Prof Joydeep Dutta (Sultan Qaboos University, Sultanate of Oman)	
Plenary talk 9:00-9:45	Prof F. Arefi- Khonsari (Chimie ParisTech, France) Different strategies to make TiO₂ doped with nitrogen by plasma processes for visible light photocatalysis.
9.45-10.00	Fabrizio Pinto (Department of Physics, Jazan University, Kingdom of Saudi Arabia) Simulations of nanotube core actuation by dispersion force modulation
10.00- 10:15	Katabathini Narasimharao , Tarek Ali, Sulaiman Basahel, Shaeel Al-Thabaiti, Mohamed Mokhtar (King Abdulaziz University, Kingdom of Saudi Arabia) Nanosized gold supported catalysts for catalytic oxidative cracking of propane
10.15- 10.45	Coffee break- Poster Session 3- Exhibition
Invited talk 10.45-11.00	Ahmad I. Ayesb and Haila M. Al Dosari (United Arab Emirates University- Al Ain, United Arab Emirates) Fabrication of Ag nanoclusters for solar cell applications
11.00-11.15	S. Sabbaghi and M. Mohammadi (Shiraz University, Shiraz, Iran) Photo-catalytic Degradation of 2-Chlorophenol by PANI-TiO₂ Nanocomposite under UV and Solar Irradiation
11.15- 11.30	Tahani Alqahtani and Aruna Ivaturi (University of Dammam, KSA) Low Temperature Growth of Zinc Oxide Nanorods for Solar Cells
11.30-11.45	Rabia Nazir , Javeria Anwar, Asrar A. Kazi, Naqi Hussain and Farah Deeba (Pakistan Council of Scientific and Industrial Research Laboratories Complex-Lahore, Kinnaird College for Women-Lahore, Pakistan) Degradation of Reactive Dye Blue 58 in Textile Waste Effluent using Environment Friendly catalyst
Invited talk 11.45- 12.00	Abdulrahman M. Albadri , Ibrahim A. Alhomoudi and Abdelmajid Salhi (National Nanotechnology Center King Abdulaziz- Riyadh, Saudi Arabia) Flexible InGaAs based Solar Cells using controlled spalling technology
12.00-12.15	Hatem Abuhimad , Abdulaziz A. Bagabas, Abdulrahman Al Tabba (King Abdulaziz City for Science and Technology, King Abdulaziz City for Science and Technology and Alfaisal University, Kingdom of Saudi Arabia) Experimental Design and Artificial Neural Network Metamodel for the Gas-Phase, One-Step Acetone Self Condensation Over Novel Composite Catalysts of Ruthenium/Activated Charcoal/Nano-Zinc Oxide
Plenary talk 12.15-12.45	Prof Joydeep Dutta (Chair in Nanotechnology, Sultan Qaboos University, Sultanate of Oman) Nanotechnology for water treatment
Invited talk 12.45-13.00	Basma El Zein and Elhadj Dogheche (Dar Al Hekma University, Jeddah, Saudi Arabia and Institute of Electronics, Microelectronics and Nanotechnology (IEMN)-Lille, France) Zinc Oxide Nanowires for energy harvesting
13.00-14.00	Lunch break- Poster Session 3 – Exhibition
Invited talk 14.00- 14.30	A.K. Mishra (University of Johannesburg, South Africa) Rare earth doped CNTs based nanomaterials for the photocatalytic activity
14.30-14.45	Mohammad Islam , Rizwan Azhar, David T. Burleigh, Narjes Fredj, Abdulhakim Almajid, Asiful H. Seikh, Asif Alam and Olamilekan Rasaan Oloyede (King Saud University-Riyadh, Kingdom of Saudi Arabia, New Mexico Institute of Mining and Technology-Socorro, USA, Maritime Academy of Nigeria-Oron, Nigeria and University of Manchester, UK) Electroless Ni-P alloy and Ni-P-CNT nanocomposite coatings for enhanced corrosion resistance and hardness
14.45- 15.00	I.R. Ivascu , A.M. Bratu, C. Achim, M. Patachia, C. Matei, S. Banita and D.C. Dumitras (National Institute for Laser, Plasma, and Radiation Physics and University "Politehnica" of Bucharest, Romania) Trace Gas Detection Based on Photoacoustic Spectroscopy
15.00- 15.15	Ahmed Galal, Nada F. Atta, Mona M. Zaki and S.H. Samaha (Faculty of Science, University of Cairo, Egypt and National Institute of Standards, Giza, Egypt)

	Removal of Some Direct Dyes from Aqueous Solution Using Nanostructured Poly (aniline) Coated Polyester
15.15-15.30	Mohammad Hussain. K. Rabinal and I. Mohamad Ikram (Karnatak University and Mohamed Sathak A. J College of Engineering, India)
	Charge Transport in Molecular Junctions Based on Short Chain Organic Molecules
15.30-15.45	M. N. Kajama and E. Gobina (The Robert Gordon University, United Kingdom)
	Experimental study of membrane properties on gas permeation in γ-alumina mesoporous ceramic membranes.
15.45- 16.00	Hemant Mittal , Shivani B. Mishra and Ajay K. Mishra (Department of Applied Chemistry, University of Johannesburg, South Africa)
	Gum xanthan reinforced magnetic nanoparticles for the effective removal of Malachite green :Synthesis and adsorption studies
16.00-16.15	Coffee break- Poster Session 3 – Exhibition
Invited talk 16.15-16.30	Prakash Chander Thapliyal (Organic Building Materials Group CSIR-Central Building Research Institute, Roorkee, India)
	Nanotechnology based Building Materials: An Overview
16.30-16.45	M. Ben Rabha , A. Hajjaji, M. Gaidi and B. Bessais (Research and Technologies Centre for Energy-Borj-Cedria, Tunisia, Riyadh College of Technology-KSA and Emirates college of Technology-UAE)
	Metal assisted chemical etching for silicon nanostructure fabrication: Optical and optoelectronic characterization
16.45-17.00	Zulkarnain Endut , Nor Akmaliza Rais, Nurulhaidah Daud, Ali Zaini Abdullah, Mohd Adam Mohd Noor, Nora'zah Abd Rashid (NEMS and Photonics Laboratory (NAPL), and MIMOS Berhad University- Kuala Lumpur, Malaysia)
	Corrosion Study of Anodized Cobalt Oxide Nanotubes in Phosphate Solution
17.00-17.15	Balasubramanian K. , Prashant Alegoankar, Prashant Rule, Dhananjay Gunjal and Renuka R. Gonte (Defense Institute of Advanced Technology (DU), Ministry of Defense, Pune, India)
	Electroless Nickel Coated Nano-Clay for Electrolytic Removal of Hg(II) Ions
17.15-17.30	A.Mirzaei Damabi, S.M.Kasiriha and A.A.Sarabi (Department of Polymer Engineering-Amirkabir University of Technology, Tehran, Iran)
	The effect Nano-ZnO on weathering performance of an acrylic-melamine water based automotive clear coat and comparison with conventional organic UV-absorber
17.30-17.45	Ramaprabhu.S. (Indian Institute of Technology Madras-Chennai, India)
	Carbon nanostructures for hydrogen storage, Li Ion battery and fuel cell applications
17.45-18.00	Mahtab Gholami , Mahmood Bahar, Mohammad Esmaeil and Azim Araghi (Kharazmi University- Tehran, Iran)
	CO₂ gas sensing properties of Al/Si/PPS/TNPs/Al nanostructure thin film device
18.00-18.15	M.A.Ahmed, S.I. El –dek and M.A.Shawkey (Faculty of science, Cairo University, Egypt)
	The effect of incorporation of Multi Walled carbon nanotubes and Multiferoic nanoparticles on the electrical properties of concrete
18.00-18.30	S. Zeinali and M. Khalili (Shiraz University, Shiraz, Iran)
	Carboxymethyl-Chitosan coated magnetic nanoparticles as an effective nano-adsorbent for heavy metal ions removal from waste waters

Posters Sessions: Nanotech Dubai 2013

N°	Posters session 1: 28 th October 2013
1	Structural properties of CuInSe ₂ thin films obtained by close spaced vapor transport (CSVT) technique S. Gagui , B. Hadjoudja, B. Chouial, Z. Beddiaf, H. Felfli, Y.Kouhlane, A. Chibani (Badji Mokhtar University, Algeria).
2	Polymer assisted dispersion of graphene nanosheets Nanjundan Ashok Kumar , Oyishi Yudai, Hiroki Noguchi, Hullathy Subban Ganapathy, Makota Takafujiaand Hiratoka Iharaa (Department of Applied Chemistry and Biochemistry, Kumamoto University and Kumamoto Institute for Photo-Electro Organics (PHOENICS), Japan).
3	Shape-induced separation of nanospheres and aligned nanorods Imtiaz Ahmad , Harold J.W. Zandvliet, E. Stefan Kooij (Physics of Interfaces and Nanomaterials, MESA+ Institute for Nanotechnology, University of Twente, The Netherlands).
4	Influence of Ball milling on the particle size and dielectric properties of La-doped Lead titanate Nanoceramics. A. Abd El-razeq , M.S. Abd El-sadeq, M. Amin and M.K. Gergs (South Valley University, Cairo University, Egypt)
5	Effect of annealing and rate of doping on the optical properties of thin films of Aluminum doped Stannic Oxide A.Ammari , B.Benrabah, A. Dehbi, K.Ayouz, N.Gabouz, K. Djakhdane (Ibn Khaldoun University-Tiaret and UDTs Division Couches Minces et Applications, CRNA, Algiers Algeria)
6	Optical and thermal investigation of Eu ³⁺ -doped Mg ₂ TiO ₄ nanoparticles Mina Medić , Željka Antić, Vesna Lojpur, Milena Marinović Cincović and Miroslav D. Dramićanin Vinča (University of Belgrade, Serbia).
7	Structural and optical properties of InGaN blue quantum well laser. Charik Haouari and Soudini Bel-Abbès (University Djillali Liabes of Sidi Bel Abbes, Algeria)
8	Microstructure and Raman spectrum of gallium nitride obtained by CVD G. Sugurbekova , D. Urozaev , G. Demeuova, D. Alimzhanov (Nazarbayev University Research and Innovation System, Kazakhstan).
9	Synthesis and characterization of polymer nanocomposites containing Fe-40 at.% Si powder particles prepared by high energy ball milling L. Faghi , F. Siahmed and S. Triaa, (University of Sciences and Technology Houari Boumediene, Algeria).
10	Fabrication of Ceramic Membranes Coated with MWCNT by Spin-Coating technique S. Sabbaghi , A. Mahdiyar and S. Hoseini (Shiraz University and Research Unit of National Gas Company, Shiraz, Iran)
11	Synthesis and Characterization of Electrospun Cobalt/PVDF Copolymer Nanofiber Composite by Electrospinning Muhamad Nasir , Bambang Prihandoko, and Juliandri (Indonesian Institute of Sciences (LIPI) and Padjadjaran University, Indonesia).
12	Artificial Ageing of a Low Density Polyethylene Films under the Influence of Climate Conditions Khaled Djakhdane , Abdelkader Dehbi, Abdel-Hamid I. Mourad (Ibn Khaldoun University, Algeria and United Arab Emirates University-Al-Ain, UAE)
13	Optical properties of thin films of Fluor-doped tin oxide B.Benrabah , A.Ammari, A. Dehbi, K.Ayouz, K. Djakhdane (Ibn Khaldoun University-Tiaret Algeria and UDTs Division Couches Minces et Applications, CRNA-Algiers, Algeria)
14	Valine Amino Acid Mediated Synthesis of Nickel Nanoparticles M.Younis Talpur , Huseyin Kara, S.T.H Sherazi and Fatih Durmaz (Selcuk University-Konya, Turkey, Necmettin Erbakan University- Konya, Turkey and University of Sindh- Jamshoro, Pakistan)
15	Lowering of Band Gap of Titania Thin films by Integration of Graphene Nanosheets Amir Habib , Haroon Mehmood, Asif Jamil, Muhammad Tanveer and Muhammad Mujahid (National University of Sciences and Technology-Islamabad, Pakistan)
16	Hydrothermal growth of ZnO nanorods by TiO ₂ nanotubes template S.Benkara a,b, S.Zerkout (Oum El Bouaghi University and 20 August 1955 University-Skikda Algeria).
17	Adsorption of hydrogen peroxide on graphene with Stone-Wales defect Roya Majidi and Ali Reza Karami (Shahid Rajaee Teacher Training University- Tehran, Iran)

18	The dependence of Kerr rotation and ellipticity with temperature in GaMnAs and GaMnAsP layers H. Riahi , W. Ouerghui, L. Thevenard, C. Gourdon, M. A. Maaref, A. Lemaître and C. Testelin (Carthage University, Tunisia, Institut des Nanosciences de Paris, UPMC, CNRS- UMR 7588- Paris, France and CNRS-Marcoussis, France).
19	Study of Nanocomposite CdTe/PS Nassim Touka , Boubekour Boudine, Ouahiba Halimi and Miloud Sebais (University of Bouira, Algeria and University of Constantine 1, Algeria).
20	Microstructure properties of Fe-doped ZnO nanostructures prepared by mechanical alloying. Oudjertli Salah , Bensalem Rachid, Alleg Safia and J.J.suñol (Badji-Mokhtar-Annaba University-Annaba, Algeria, Universitat de Girona- Girona, Spain)
21	Hydrothermal Synthesis of Vanadium Phosphate Materials. Characterisation and Application. Kaïssa Abdmeziem , Yasmina Roumila and Radia Bagtache (USTHB-Algiers, Algeria)
22	Hydrogen peroxide adsorption on graphene with Stone-wales defect Ali Reza Karami and Roya Majidi (Shahid Rajaee Teacher Training University-Tehran, Iran)
23	A study on UV stability of functionalized graphene/HDPE nanocomposites Zahra Abbasian Korbekandi , Ghodrattollah Hashemi Motlagh and Mehdi Elhamnia (University of Tehran-Tehran, Iran).
24	Preparation of Raspberry-like PS/ Co ₃ O ₄ Nano-Composite Spheres and Their Magnetic Properties Maryam Bayat Jozani and Faramarz Afshar-Taromi (Amirkabir University of Technology Tehran-Tehran, Iran)
25	Effect of Nanoparticle Size on Band Gap of Copper Doped Zinc Oxide Jignasa N. Solanki , Kishan soni and Deepak saini (Sardar Vallabhbhai National Institute of Technology-Gujarat, India)
26	Semi-analytical solution of time-dependent electro-thermo-mechanical creep for axially polarized thick-walled piezoelectric cylinder reinforced by boron nitride nanotubes Ali Haghshenas and Abbas Loghman (Kashan University-Kashan, Iran)
27	Green approaches to the production of Graphene oxide and their application Ali Hasani , Morteza Maghrebi and Majid Baniadam (Ferdowsi University of Mashhad, Iran)
28	EMI shielding effectiveness of carbon based nanostructured polymeric materials: A comparative study Walaa H. Saadeh , Mohammed H. Al-Saleh and Uttandaraman Sundararaj (Jordan University of Science and Technology, Jordan)

N°	Posters session 2: 29 th October 2013
1	Evaluation of antibiotics as the target-sensitive component of nanobiomarkers Alexander V. Beskorovaynyy , Andrei A. Novikov, Pavel A. Gushchin, Evgeniy V. Ivanov (Gubkin Russian State University of Oil and Gas, Moscow, Russia).
2	Biosynthesis, Characterization and Antimicrobial Action of Silver Nanoparticles from Bark Extract of Berberis lyceum Royle Ansar Mehmood , Ghulam Murtaza, Tariq Mehmood Bhatti and Rehana Kausar (University of Azad Jammu and Kashmir Muzaffarabad, Pakistan Institute of Engineering and Applied Sciences (PIEAS)-Islamabad, Pakistan)
3	Synthesis and in vitro studies of biodegradable chitosan/polyethylene glycol blend nanoparticles for photodynamic treatment of cancer Ben Mihoub Amina , Bal Youcef, Saidat Boubakeur (Amar Telidji University, Algeria)
4	Detection and Treatment of Human Cancer: Nanotechnology Application a case study Onyenanu I. U, Onyia C.I, Okeke F.C., Adubasim C.A. (School of Engineering, Anambra State University, Nnamdi Azikiwe University, Faculty of Dentistry, College of Medicine, -Nigeria)
5	Aqueous leaf extract of Terminalia catappa mediated green biosynthesis of antibacterial silver nanoparticles. Aishwarya Devadiga , Vidya Shetty K and Saidutta M.B (National Institute of Technology-Mangalore, India)
6	Investigation on the flow pattern of air-water two phase flow in PEMFC Microchannels Ibrahim Rassoul , A.Serir and E-K. Si Ahmed (National school of Engineering, ENPEI-Algiers, University of Mouloud Mammeri-Tizi-Ouzou and USTHB-Algiers Algeria)
7	Electrospun Nanofibers for Stabilizing Food Emulsions Merve Yilmazer and Filiz Altay (Istanbul Technical University- Istanbul, Turkey)
8	Synthesis and characterization of CuO/polyacrylamide core-shell nanoparticles via miniemulsion polymerization S.Sabbaghi1 , A.R.Pooladi and R.Saboori (Shiraz University-Shiraz, Iran)
9	Nylon 6 Nanoweb with Nanogold for Biological Filters/Surgical Sutures Balasubramanian K , Ramdayal, and Premika G (Defense Institute of Advanced Technology (DU)-Pune, India)
10	Synthesis and Characterization of Polyanionic Cellulose/Polystyrene Core-Shell Nanoparticles via Miniemulsion Polymerization S. Sabbaghi , R. Saboori and M. Fereydouni (Shiraz University-Shiraz, Iran)
11	Green synthesis of silver nano-particles for applying in conductive tracks, using Tanninum as Reducing and Capping Agent. Mehrnaz Bayat Jozani and Marziyeh Khatibzadeh (Amirkabir University of Technology-Tehran, Iran).
12	Smart crystal approach to improve solubility and dissolution of aprepitant Sunethra Kalvakuntla , K.B.Koteshwara and Mangesh Deshpande (Manipal University, India).
13	Fabrication of a green colorimetric sensor for trace mercury detection based on starch-modified gold nanoparticles S.Zeinli and S.Borhani (Shiraz University-Shiraz, Iran)
14	Preparation of functionalized multiwall carbon nanotube(MWCNT-COOH)incorporated with chitosan/PEO nanofibers composite produced by electrospinning technique Iman yousefi , G. Hashemi Motlagh, Ismaeil Haririan and Maniya Habibi (University of Tehran- Tehran and Tehran University of Medical Sciences-Tehran, Iran)
15	ComplexTiO ₂ -Gold Nanorod for Biosensing Samir Taloub and Farida Hobar (Constantine University 1, Algeria)
16	Surface modification of PDMS with Formation of Uniform SAM Thin Layers using plasma and silanization methods Tohid Hajibabaei , Ghassem Amoabediny, Jhamak Nourmohammadi and Seyyed Hasan Jafari (University of Tehran-Tehran, Iran)
17	Histopathological studies of biogenic gold nanoparticles in Oreochromis Mossambicus Shine.F , Jayasree.S, Shibu Joseph S.T, Sameed, S. and A.Akhila Thomas (Fatima Mata National College, Kerala, India)
18	Synthesis and Characterization of Silver Nanoparticle /Graphene Nanocomposites as an air mask filter Saeed Esfandiari , Salman Darabi, AmirZarei and Poorya Valijani (Baran Chemistry Company-Tehran,

	Iran)
19	High sensitivity detection of DNA without amplification: electrochemical microfluidic device. Aurélien Gimenez , Anita Venkatanarayanan, Tia E. Keyes, Robert J. Forster (Dublin City University-Dublin, Ireland)
20	The effect of nano-graphite and additives on the physical & mechanical properties of polyester resins R. Goudarzi , GH. Hashemi Motlagh, M. Elhamnia and Z. Abbassian (University of Tehran- Tehran, Iran).
21	The influences of sliding speed, normal load and electrical current on behavior dry friction and wear brass-steel couple C. Boubechou , A. Bouchoucha and H. Zaidi (University 20 August 1955- Skikda, Algeria, University Constantine1, Algeria and Université de Poitiers, France)
22	Removal of Arsenic, Selenium and Vanadium Using Nanoparticles M. Abdul-Hakim, M. S. Muthamna, S. S.Hersi, E. Y. Abbas, A. Al-Sayeg, N. M. Bader, S. Sakthivel, N.K. Agnihotra, M. A. Amr, A. A. Ramadan, S. H. Almeer and K. A. Al-Saad (Qatar University-Doha and Innovation Centre, QSTP-Doha, Qatar).
23	Methods for analysis in composite plate with a circular hole Bouyaya Linda and Mili Fayçal (University Constantine1, Algeria)
24	Study of Tracking and Erosion Resistance of Silicone Rubber based Composites with Nano sized Filler H.K.Chakerwari , Arun Agarwal, Pravendra Kumar and Dr Manjit Singh (Defense Research and Development Organization-Chandigarh, India)
25	Thermal Annealing Effects on Al-Cu Amorphous Alloys Prepared by Evaporation Method Safdar Habibi and Amir Namdarmanesh (Bu Ali Sina University-Hamedan, Iran)
26	Surface Enhanced Raman Scattering of Rhodamine 6G and Bovine Serum Albumin grafted on oxidized porous silicon H. Dridi, L. Haji and A. Moadhen (Université Européenne de Bretagne, CNRS-UMR Foton 6082, France and Sciences Faculty of Tunis- Tunisia)
27	Biological NanoArchitecture and the Next Generation Materials Mohamed Abdelall Ibrahim and Maged Elsamny (Alexandria University, Egypt)

N°	Posters session 3: 30th October 2013
1	Evaluation of sulfur dioxide (SO ₂) pollution in industrial area, Mdhilla (mining basin of Gafsa, south-western of Tunisia): statistical analysis and cartography Raja Mohamed , Dalila Taieb, Ammar Ben Brahim (National Engineering School of Gabes, Tunisia).
2	Analysis and investigation methods for boiler tubefailures Muhammad Hussain , Muhammad Shahid Khalil and Intizar Hussain (European Technology Development Ltd, University of Engineering and Technology, Taxila, College of Engineering and Technology Karachi, Pakistan).
3	Optoelectronic enhancement of multicrystalline silicon solar cells by porous silicon and an ultrathin aluminum capping film. M.Salem , M. Ben Rabha, B. Bessais, M. Gaidi (Research and Technologies Centre for Energy-Borj-Cedria, Tunisia)
4	Development of multilayer structures and their contributions to photonic applications: design sub-wavelength enhanced transmission Mahi Nabil and Bouhafs Benammar (University of Ziane Achour Djelfa and Abou bekr Belkaid University-Tlemcen, Algeria)
5	Modeling of the thermoluminescence process of K ₂ GdF ₅ : Dy ³⁺ -exposed to photon and neutron radiation fields A. Kadari , L.O. Faria and D. Kadri (Ibn Khaldoun University-Tiaret, Electronic Microscopy and Materials Sciences Laboratory (EMMSL)-Oran, Algeria and Centro de Desenvolvimento da Tecnologia Nuclear, Brazil).
6	Electrochemical preparation process of Mg-based Nanocomposites for solid hydrogen storage M.Sahli and N.Bellel (University of Constantine- Algeria).
7	Numerical simulation of AlGa _N and InGa _N solar cells using SCAPS-1D Lourassi. Madi and Belabbas Soudini (University of Sidi Bel Abbes, Algeria)
8	The effect of SiO ₂ addition on the formation and the superconducting properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ +System N. Boussouf and M.-F. Mosbah (Mila University Centre/ Mentouri University- Constantine, Algeria)
9	Electrical characteristics of CNT-based paper Fadey Komarov, Ludmila Vlasukova, AltynayTogambayeva , Irina Parkhomenko, Natalya Ankusheva, Tolkybay Murat, Lyazzat Toganbayeva (Al-Farabi Kazakh National university, Kazakhstan and Belarusian State University-Minsk, Belarus).
10	Electrochemical removal of chrome from tannery sludge A. Benhadji, N. Sabba and D.E. Akretche (Faculty of Chemistry, U.S.T.H.B-Algiers, Algeria)
11	Contribution to the study of the curvature parameter of the energy gap in substitution alloys nitride alloys Application Abdelali laid , Abid hamza, Zeroukhi houari and Sayah naimi (Sidi Bel Abbes University, Algeria)
12	Continuous treatment by coupling Electrocoagulation/Nanofiltration of industrial liquid effluents. Souad Derkaoui, Mourad Taleb Ahmed and Rachida Maachi (USTHB-Algiers, Algeria)
13	Modeling and Simulation of AlGaAs/InGaAs Tandem Solar Cell S. Slimani and B. Djellouli (Mouloud Maameri University (UMMTO)-Tizi-Ouzou, Algeria and University of Saida, Algeria)
14	Use of iron organometallic compounds in the depollution of contaminated Soils by Mitribuzin A. Boucif, Z. Hank and S. Boutamine (USTHB-Algiers, Algeria).
15	Conductance of T-shaped graphene nanodevice with single disorder Jafari Azadeh , Ghoranneviss Mahmood and Mohammad Reza Hantehzadeh (Plasma Physics Research Center, Islamic Azad University-Tehran, Iran)
16	Development of Algerian clay (bentonite): application to the adsorption of the two textile dyes in solution (RedB imacide, Yellow Dianix) Bouazza Faiza and Benguella Belkacem (Abou Bekr Belkaid University-Tlemcen, Algeria)
17	Interaction of Mitribuzin with Manganese Organometallic Compounds. Depollution of Contaminated Soils A. Boucif, Z. Hank and S. Boutamine (USTHB-Algiers-Algeria)
18	Effect of the carbone nanotube proportion on electrical behavior of (SWCNTs/PVDF) composites Mouna Bouzitoun , Ghada Hamdoun, Sami Saidi and Abdellatif Belhadj Mohamed (CRTEn- Research and Technologies Centre for Energy-Borj-Cedria, Tunisia)
19	Heating rates and template concentrations effect on the optical and photocatalytic properties of

	TiO ₂ nanoparticles. Kamel Atamnia , Hamid Satha and Abdelkrim Chemseddine (Jijel University-Algeria, Guelma University- Algeria and Helmholtz-Zentrum Berlin für Materialien und Energie-Deutschland)
20	The Electrical Characterization of allnN/GaN HEMT, with Different Thicknesses of the GaN Thin Layers and different Al mole fraction N. Benyahya , H. Mazari, N. Benseddik, Z. Benamara, M. Mostefaoui, K. Ameer, R. Khelifi, J. M. Bluet, W. Chikhaoui and C. Bru-Chevallier (Djillali Liabès- Sidi Bel-Abbes University, Algeria and Institut des Nanotechnologies de Lyon INL-UMR5270, CNRS, INSA-Lyon, France).
21	Photo-catalytic Degradation of Benzene by PANI-TiO ₂ Nanocomposite under UV Irradiation S. Sabbaghi , H. Ebadi and M. Mohammadi (Shiraz University-Shiraz, Iran)
22	Improve Dewatering Efficiency for Heavy Crude Oil by Modified Nano Silica M.Nikkhah, E.Gandomkar.GH , E.Bekhradinasab, A.Jahanmiri,S.Sabbaghi (Shiraz University-Shiraz, Iran)
23	Direct Space Vector PWM Control Of A Single Stage Grid Connected PV Inverter Based On Line-To-Line Voltages Representation F. Akef , T. Ghennam, M.Laour and M. Chikh (Solar Equipment Development Centre (UDES)/EPST-CDER-Tipaza, Algeria and Ecole Militaire Polytechnique d'Alger- Algiers, Algeria)