

1st Scientific Future Group Conference



Scientific Future Group
Redefining science

World Congress and Expo on

Nanotechnology and Materials Science

April 13-15, 2015 Dubai, UAE

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Scientific Program

Exhibitor



MEDIA PARTNERS



Day 1 Emirates B

07:00-08:00	Registrations
08:00-08:30	Opening Ceremony
08:30-08:35	Introduction
	Keynote Session
08:35-09:00	Title: Zn _{1-x} Mg _x O (x≤0.3) Nanostructures: A Versatile Material Platform for Advanced Electronics and Photonics Mehdi Anwar , University of Connecticut, USA
09:00-09:25	Title: New Polymeric Nanomaterials via Precision Polymerization: Synthesis, Optoelectronics and Photovoltaics Applications Der-Jang Liaw , National Taiwan University of Science and Technology, Taiwan
09:25-09:50	Title: Future of Nanotechnology Claudio Nicolini , University of Genova and Fondazione ELBA Nicolini, Italy
09:50-10:15	Title: Plasmonics driven Nanotechnology Adnen Mlayah , Paul Sabatier University, France
	Group Photo 10:15-10:20 @ Emirates B
10:15-10:30	Coffee Break @ Foyer B
Session 1	Nanomaterials Nanofabrication Nanocomposites and Multifunctional Materials
Session Chair	Sergey S. Bukalov , The Russian Academy of Sciences, Russia
Session Co-chair	Daniel S. Choi , Masdar Institute of Science and Technology, UAE
10:30-10:50	Title: Fe and oxygen plasma Functionalized Multi-Walled Carbon Nanotubes for the Discrimination of Volatile Organic Compounds Abdelghani Adnane , INSAT, Tunisia
10:50-11:10	Title: A road map for the tailor-made fabrication of electrospun PVDF nanocomposite mats for a wide variety of applications Ioannis Zuburtikudis , United Arab Emirates University, UAE
11:10-11:30	Title: Ordered Sub- Nano- Systems on Crystal Surface: Design and Properties Nicolay A. Kulagin , Ukrainian with Germany Joint Venture “Firma SIFA”, Ukraine
11:30-11:50	Title: Fabrication of polymeric micro-sensors by 3-dimensional printing technology combined with functionalization with gold nanowires for sensors applications Daniel S. Choi , Masdar Institute of Science and Technology, UAE
11:50-12:10	Title: Targeted Deliveries of Tocotrienol and Statin Nanoparticles to Promote Fracture Healing Ahmad Nazrun Shuid , Universiti Kebangsaan Malaysia, Malaysia
12:10-12:30	Title: FMultifunctional hybrid materials for bioapplications Nekane Guarrotxena , ICTP-CSIC, Madrid-Spain

12:30-12:50	Title: Capabilities of Micro-Raman spectroscopy in identification of various carbon modifications Sergey S. Bukalov , The Russian Academy of Sciences, Russia
12:50-13:30	LUNCH BREAK @ SPICE ISLAND RESTAURANT
13:30-13:50	Title: Use of Nanotechnology to develop self cleaning coatings for F solar panels Anand Khanna , IIT, India
13:50-14:10	Title: Making nanobiosensors affordable for point-of-care diagnostics Kar Seng (Vincent) Teng , Swansea University, UK
14:10-14:30	Title: Colloidal Nanocrystals and Hybrid Nanostructured Materials for Optoelectronic, Energy Conversion and Storage Marinella Striccoli , CNR-IPCF, Italy
14:30-14:50	Title: Conductivity Enhancement of Conductive Polymer Composites by Addition of Cellulose Nano-Fiber (CeNF) Shigeji Konagaya , Nagoya University, Japan
14:50-15:10	Title: Carbon nanotubes based silicone rubber elastomer with excellent electrical properties Songmin Shang , The Hong Kong Polytechnic University, Hong Kong
15:10-15:30	Title: Nano iron-based materials for abatement of aqueous pollutants Talal Shahwan , Birzeit University, Palestine
15:30-15:50	Title: Evaporative assembly of nanoparticles into functional networks Ivan U. Vakarelski , KAUST, Saudi Arabia
15:50-16:05	Coffee Break @ Foyer B
16:05-16:25	Title: Sensoric applications of nanoporous materials Akos Kukovecz , University of Szeged, Hungary
16:25-16:45	Title: Surface chemistry of nanostructured materials – from the synthesis to the application Zoltan Konya , University of Szeged, Hungary
16:45-17:05	Title: Nano-probes fabrication techniques and their crucial applications in nanotechnology M Rezeq , Khalifa University of Science Technology and Research, UAE
17:05-17:25	Title: Cylindrical aluminum matrix composites reinforced with pyrolytic carbon/carbon fibers manufactured by vacuum pressure infiltration Qiubao Ouyang , Shanghai Jiao Tong University, China
17:25-17:45	Title: Targeted acceleration of DNA dehybridization using Gold nanoparticles offers specificity without compromising sensitivity for nucleic acid analyses Paul C. H. Li , Simon Fraser University, Canada
17:45-18:05	Title: Preparation of Hybrid Nanocomposites and Kinetics for Photocatalytic Degradation of Organic Dyes Weon Bae Ko , Sahmyook University, South Korea

@ Al Habari	
Session 3	Carbon nanomaterials, devices and technologies
Session Chair	Lianxi Zheng , Khalifa University, UAE
10:35-10:55	Title: Controlled CNT Architectures for Electronic Applications Lianxi Zheng , Khalifa University, UAE
10:55-11:15	Title: Self-assembly of CeO ₂ nanocubes: An approach for the development of nanoelectronic devices Sean Li , The University of New South Wales, Australia
11:15-11:35	Title: The Influence of Nanoparticles on the Impact Response of Composite Materials Wesley J. Cantwell , Khalifa University, UAE
11:35-11:55	Title: Graphene foam developed with a novel two-step technique for low and high strains and pressure sensing applications Kin Liao , Khalifa University of Science, Technology and Research, UAE
11:55-12:15	Title: Current progress of microencapsulation by graphene Jinglei Yang , Nanyang Technological University, Singapore
12:15-12:35	Title: Wearable fiber-shaped energy devices Huisheng Peng , Fudan University, China
12:35-13:15	LUNCH BREAK @ SPICE ISLAND RESTAURANT
13:15-13:35	Title: Electronic and optoelectronic device applications of carbon nanotube thin films Yutaka Ohno , Nagoya University, Japan
13:35-13:55	Title: Graphene foam developed with a novel two-step technique for low and high strains and pressure sensing applications Ahmad ElDouhaibi , Lebanese University, Lebanon Research, UAE
13:55-14:15	Title: Aligned carbon nanotube films for functional devices Qingwen Li , SINANO, China
14:15-14:35	Title: Novel Nano-composite Electrode Based on Super Aligned Carbon Nanotubes Yani Zhang , Northwestern Polytechnical University, China
14:35-14:55	Title: Carbon spheres for the adsorption and purification applications Kean Wang , The Petroleum Institute, UAE
Session 2	Ghaphene Technologies Nanodevices
Session Chair	Wojtek Wlodarski , RMIT University, Australia
Session Co-Chair	I.V. Antonova , A.V. Rzhanov Institute of Semiconductor Physics, Russia

14:55-15:15	Title: New graphene-based materials perspective for applications I.V.Antonova, A.V. Rzhanov Institute of Semiconductor Physics, Russia
15:15-15:35	Title: Engineered nanoparticles for lab-on-a-chip biosensors Homayoun Najjaran , The University of British Columbia, Canada
15:35-15:55	Title: Nanoscale assembly & chemical modification of carbon nanotubes & graphene Sang Ouk Kim , KAIST, Korea
15:55-16:15	Title: Strong and Ductile Aluminum Composites Fabricated by Flake Powder Metallurgy Zhiqiang Li , Shanghai Jiao Tong University, China
16:15-16:30	Coffee Break @ Foyer B
16:30-16:50	Title: Piezoelectric Effect on Spin Transport Characteristics of Ferromagnet/Semiconductor Junction Mohammed M. El-Banna , Ain-Shams University, Egypt
16:50-17:10	Title: Resonant tunneling through discrete quantum states in stacked atomic-layered MoS ₂ ChiiDong Chen , Academia Sinica, Taiwan
17:10-17:30	Title: Adsorption of Malachite green dye on graphene oxide nanosheets from aqueous solution: Kinetics and thermodynamics studies Abeer S. Elsherbiny , King Abdulaziz University, Saudi Arabia
17:30-17:50	Title: pH sensor based on Graphene/PMMA nanocomposites Anita Grozdanov , University Ss Cyril and Methodius in Skopje, Republic of Macedonia
17:50-18:10	Title: A Novel solution processed p-Ag-WO ₃ /n-WO ₃ nano heterojunction diode with high rectification and low cut-in voltage Lubna Aamir , Maulana Azad National Institute of Technology, India
18:10-18:30	Title: Graphene based gas and vapour sensors Wojtek Wlodarski , RMIT University, Australia
Special Session 18:30-19:00	Symposium on Carbon nanomaterials, devices and technologies by Dr. Lianxi Zheng & Group
19:00-20:00	Cocktails @ Foyer B
Day 2	
Emirates B	
08:30-08:35	Introduction Keynote Session
08:35-09:00	Title: Advantages and Limitations of Nanotechnology Ravindra K. Pandey , Roswell Park Cancer Institute, USA
09:00-09:25	Title: Organic and printed Photovoltaics: Process and in-line optical monitoring

	Stergios Logothetidis , Aristotle University of Thessaloniki, Greece
09:25-09:50	Title: Combination of experiments and computer modeling for exploring fine structural details in amorphous silica and zeolites Istvan Halasz , PQ Corporation, USA
09:50-10:05	Coffee Break @ Foyer B
Session 1	Nanomedicine and Biomedical Engineering Tissue Nanoengineering
Session Chair	Reinhard H.H. Neubert , The Martin Luther University, Germany
Session Co-chair	Anand Gadre , University of California, USA
10:05-10:25	Title: Colloidal Nano-sized Carrier Systems for the Dermal Drug Delivery Reinhard H.H. Neubert , The Martin Luther University, Germany
10:25-10:45	Title: Disinfection of Ebola in the Developing World Thomas Prevenslik , QED Radiations, China
10:45-11:05	Title: Biomimetic Creation of Functionalized Polymeric Nanofibrous Scaffolds for Tissue Healing Anand Gadre , University of California, USA
11:05-11:25	Title: Nanomedicine Highlights in Atherosclerosis Treatment Varvara Karagkiozaki , Aristotle University of Thessaloniki, Greece
11:25-11:45	Title: Single cell studies of DNA origami nanodevices for biomedical applications Carlos Castro , The Ohio State University, USA
11:45-12:05	Title: Nanoparticle Fabrication for Drug Delivery and Targeting - Re-engineering Poly (lactide) for Dispersion Polymerization Simeon K. Adesina , Howard University, USA
12:05-12:25	Title: Biomedical applications of electrospun polymer nanofibers: Drug delivery and antimicrobial activity Mohamed El-Newehy , King Saud University, Saudi Arabia
12:25-12:45	Title: The application of nanotechnology on drug delivery systems Mosab Arafat , Al Ain University of Science and Technology, UAE
12:45-13:35	LUNCH BREAK @ SPICE ISLAND RESTAURANT
13:35-13:55	Title: Exploring the capability of employing self-assembling unsaturated fatty acid nano-vesicles in drug delivery field Mona Hassan Aburahma , Cairo University, Egypt
13:55-14:15	Title: Nanoparticles by Design for Nanotechnology and Biomedical Applications Mukhles Sowwan , Okinawa Institute of Science and Technology, Japan
14:15-14:35	Title: An elastic model of DNA's deformation subjected to mechanical stress - An implication in designing a DNA-based functional nanodevice Monrudee Liangruksa , National Science and Technology Development Agency, Thailand

Session 2	Nanomedical Approaches for Cancer Diagnosis
Session Chair	Jamboor K. Vishwanatha , University of North Texas Health Science Center, USA
Session Co-chair	Zbigniew Kolacinski , Lodz University of Technology, Poland
14:35-14:55	Title: Multifunctional nanoplatforms for cancer-imaging and photodynamic therapy (PDT) Ravindra K. Pandey , Roswell Park Cancer Institute, USA
14:55-15:15	Title: Targeted delivery of sustained release polymeric nanoparticles for cancer therapy Jamboor K. Vishwanatha , University of North Texas Health Science Center, USA
15:15-15:35	Title: Overcoming the Tumor Barriers in Lung Cancer With Nanotechnology Based Approaches Mandip Singh Sachdeva , Florida A&M University, USA
15:35-15:50	Coffee Break @ Foyer B
15:50-16:10	Title: Ferro-fluids for selective thermal ablation of cancer cells Zbigniew Kolacinski , Lodz University of Technology, Poland
16:10-16:30	Title: Gas-Phase Synthesis of Core-Shell Magnetic Nanoparticles for Tumour Hyperthermia Chris Binns , University of Leicester, UK
16:30-16:50	Title: Targeting and Real-Time Optical Imaging of Brainstem Gliomas Using Liposomal Nanocarriers Javad Nazarian , Washington DC George Washington University, USA
16:50-17:10	Title: Biophysics of Cell Membrane Lipids in Cancer Drug Resistance: Implications for Drug Transport and Drug Delivery with Nanoparticles Vinod Labhasetwar , Lerner Research Institute, USA
	@ Al Habari
Session 3	Nanobiotechnology
Session Chair	M. M. Alkaisi , University of Canterbury, New Zealand
Session Co-chair	Di Zhang , Shanghai Jiao Tong University, China
10:05-10:25	Title: Synchrotron diffraction of multilayered ls pga films after heating and cooling Claudio Nicolini , University of Genova and Fondazione ELBA Nicolini, Italy
10:25-10:45	Title: Synchrotron diffraction of multilayered ls pga films after heating and cooling-II Evgeniya Peshkova , University of Genova and Fondazione ELBA Nicolini, Italy
10:45-11:05	Title: Multiplexed protein detection of SERS nanotags in a single-spot Nekane Guarrotxena , ICTP-CSIC, Madrid-Spain
11:05-11:25	Title: Synthesis, characterization and applications of metallic particles produced by biological agents M. Avalos-Borja , IPICYT, División de Materiales Avanzados, Mexico
11:25-11:45	Title: Bioinspired functional materials templated from nature materials

	Di Zhang , Shanghai Jiao Tong University, China
11:45-12:05	Title: The role of materials and topography on biological cells behavior
	M. M. Alkaisi , University of Canterbury, New Zealand
12:05-12:25	Title: Polymer Coated Iron Oxide Nanoparticles as Contrast Agents for Magnetic Resonance Imaging
	Ramesh S. Chaughule , Ramnarain Ruia College, India
12:25-12:45	Title: Metallic Butterfly Scales: Superstructures with Excellent SERS Performance
	Jiajun Gu , Shanghai Jiao Tong University, China
12:45-13:05	Title: Mechanical Design of DNA nanostructures
	Carlos Castro , The Ohio State University, USA
13:05-13:55	LUNCH BREAK @ SPICE ISLAND RESTAURANT
Session 5	Nanotechnology for Energy and the Environment
Session Chair	Ching-Fuh Lin , National Taiwan University, Taiwan
Session Co-chair	Arturs Medvids , Riga Technical University, Latvia
13:55-14:15	Title: Environmentally Benign Nanotechnology for Efficient Warm-White Light Emission
	Ching-Fuh Lin , National Taiwan University, Taiwan
14:15-14:35	Title: Quantum Cones Formation in Semiconductors by Laser Radiation: Experiments, Modeling and Application
	Arturs Medvids , Riga Technical University, Latvia
14:35-14:55	Title: Defect Engineering in the Nanostructured Carbons for Hydrogen Storage
	Po-Liang Liu , National Chung Hsing University, Taiwan
14:55-15:15	Title: Photocatalytic degradation of Rhodamine B dye using synthesised BiPO ₄ and Ag doped BiPO ₄ under the influence of UV-Visible irradiation in designed and developed reactor
	M. H. Fulekar , Central University of Gujarat, India
15:15-15:35	Title: Nanotechnology – A tool for improving the photocatalytic performances of TiO ₂ based nanomaterials
	Lucian Baia , Babes-Bolyai University, Romania
15:35-15:55	Title: Photocatalytic Active tiles: A confirmed industrial reality facing a new challenge with LED lighting
	C.L. Bianchi , Università degli Studi di Milano, Italy
15:55-16:10	Coffee Break @ Foyer B
16:10-16:30	Title: Towards green-nanotechnology: Removal of toxic organics present in water and wastewater
	Rengaraj Selvaraj , Sultan Qaboos University, Oman
16:30-16:50	Title: Chemicals from Crude oil, Natural Gas and Biomass Using Nanocatalysis

	Carlos Alberto Carrero Marquez , University of Wisconsin Madison, USA
16:50-17:10	Title: High-performance electrochemical capacitors based on 3D porous carbon synthesized from cheap polymers and graphene foam Ncholu Manyala , University of Pretoria, South Africa
17:10-17:30	Title: Hybrid Tandem White Organic Light Emitting Diodes for Energy-Efficient Lighting Roy Man-Keung Fung , Soochow University, China
17:30-17:50	Title: Advanced Magnetic Separation Nanotechnology for Used Nuclear Fuel Recycling You Qiang , University of Idaho, USA
17:50-18:10	Title: Nano carbon composite electrode materials for energy storage Manjusha Shelke , CSIR-National Chemical Laboratory, India
@ AI Gazelle	
Session 4	Nanoelectronics Nanophotonics and Optics Robotics and Mechatronics
Session Chair	Felix Holzner , SwissLitho AG, Switzerland
Session Co-chair	Gilles Jacquemod , University of Nice Sophia Antipolis, France
10:15-10:35	Title: Thermal probe nanolithography for novel photonic and electronic nanodevices Felix Holzner , SwissLitho AG, Switzerland
10:35-10:55	Title: Spin polarized HSE hybrid functional calculations of VO ₂ Udo Schwingenschlogl , KAUST, Saudi Arabia
10:55-11:15	Title: Semiconductor Nanocrystals: From Quantum Phenomena to Applications in Energy Sustainability Anton V. Malko , The University of Texas at Dallas, USA
11:15-11:35	Title: Self-calibration of analog and mixed cells using back-gate auto-biasing transistor in 28 nm FDSOI technology and beyond Gilles Jacquemod , University of Nice Sophia Antipolis, France
11:35-11:55	Title: Application of density functional theory combined with Lippmann-Schwinger equation to thermoelectric properties in atomic/molecular junctions from first principles Yu-Chang Chen , National Chiao Tung University, Taiwan
11:55-12:15	Title: Multifunctional Hybrid Metal-Carbon Nanostructures For Spintronics and Energy-related Applications Maria del Carmen Gimenez Lopez , University of Nottingham, UK
12:15-12:35	Title: Future Requirements of Semiconductor Oxides for Photovoltaic Applications Monica Lira-Cantu , Catalan Institut of Nanoscience and Nanotechnology, Spain
12:35-12:55	Title: Design and development of organic circuits for use in low-cost smart sensor systems Munira Raja , University of Liverpool, UK

12:55-13:15	Title: Synthesis of Ba/Gd and Ti co-doped BiFeO ₃ Nanoparticles and their Dielectric and Magnetic Properties Bashir Ahmmad , Yamagata University, Japan
13:15-13:55	LUNCH BREAK @ SPICE ISLAND RESTAURANT
13:55-14:15	Title: Characterization and simulation of bioinspired optical ceramics templated from lepidopteran wings Wang Zhang , Shanghai Jiao Tong University, China
14:15-14:35	Title: Proximity Inducted Triplet Superconductivity in Half-Metallic La _{0.7} Ca _{0.3} MnO ₃ Mehmet Egilmez , American University of Sharjah, UAE
14:35-14:55	Title: Atomic-resolution Imaging of the Optical Near-field Using Photon-induced Force Yasuhiro Sugawara , Osaka University, Japan
14:55-15:15	Title: High-speed Nanoelectronics Based on Graphene and Beyond Shu-Jen Han , IBM T. J. Watson Research Center, USA
15:15-15:35	Title: New paradigm in the spatio-temporal properties of spin-crossover single crystals: Interface control and photo-induced dissipative structures Kamel Boukheddaden , Versailles Saint-Quentin-en-Yvelines University, France
15:35-15:55	Title: Superconducting properties in tantalum decorated three-dimensional graphene and carbon structures Wei Pan , Sandia National Labs, USA
15:55-16:10	Coffee Break @ Foyer B
16:30-18:30	Poster Presentations
Day 3	
Emirates B	
Session 4	Applications of Nanotechnology Risks and Regulation of Nanotechnology
Session Chair	Anton Liopo , TomoWave Laboratories Inc., USA
Session Co-chair	Irene D'Amico , University of York, UK
09:00-09:20	Title: Nanoparticles for optoacoustic and theranostic applications Anton Liopo , TomoWave Laboratories Inc., USA
09:20-09:40	Title: Disorder and Anderson localization in spin chains Irene D'Amico , University of York, UK
09:40-10:00	Title: Nanoparticles in Consumer Products: Should the Users be Concerned? Gediminas Mainelis , Rutgers University, USA
10:00-10:20	Title: Functional surface treatment using nanoparticle coating Michitaka Suzuki , University of Hyogo, Japan
10:20-10:40	Title: Safety of of TiO ₂ and Ag nanoparticles used in consumer products Kristina Kejlová , National Institute of Public Health, Czech Republic
10:40-11:00	Title: Thermally-Assisted-Occupation Density Functional Theory

	Jeng-Da Chai , National Taiwan University, Taiwan
11:00-11:15	Coffee Break @ Foyer B
11:15-11:35	Title: Innovative sample preparation method of hard, porous, heterogeneous as well as heat sensitive materials for SEM applications Andreas Nowak , Leica Mikrosysteme Austria, Austria
11:35-11:55	Title: Polyoxometalates (POMs): Discrete Anionic Metal-Oxide Nanoclusters Masooma Ibrahim , Karlsruhe Institute of Technology, Germany
Session 2	Biomaterials and Polymer Chemistry Ceramic and Glass Materials Electronic, Optical, and Magnetic Materials Energymaterials
Session Chair	Moritz Graf zu Eulenburg , InovisCoat GmbH, Germany
Session Co-chair	Stephen Rimmer , University of Sheffield, UK
11:55-12:15	Title: New continuous Production method of large area EL-Systems Moritz Graf zu Eulenburg , InovisCoat GmbH, Germany
12:15-12:35	Title: Casimir force between anisotropic single-negative meta-materials Shiyao Zhu , Beijing Computational Science Research Center, China
12:35-12:55	Title: Various nanoparticles in polymer solar cell Agnieszka Iwan , Electrotechnical Institute, Poland
12:55-13:35	LUNCH BREAK @ SPICE ISLAND RESTAURANT
13:35-13:55	Title: Highly branched poly(N-isopropyl acrylamide) responsive to bacteria Stephen Rimmer , University of Sheffield, UK
13:55-14:15	Title: In-operando surface modification of LiFePO ₄ by RF plasma treatment to the applications of lithium ion battery Fu-Ming Wang , National Taiwan University of Science and Technology, Taiwan
14:15-14:35	Title: Photoactive hybrid materials based on colloidal nanocrystals and CVD monolayer graphene Chiara Ingrosso , CNR IPCF, Italy
14:35-14:55	Title: Responsive C ₂ -Symmetric Gelators for Three Dimensional Cell Culture Chuanliang Feng , Shanghai Jiao Tong University, China
14:55-15:15	Title: Magnetophoresis-based Microfluidic System for Multi-TargetCell Separation

	Saud A. Khashan , UAE University, UAE
15:15-15:35	Title: Comprehending the interaction between heavy metals and tailored adsorbent materials for environmental remediation N. Rajesh , Birla Institute of Technology and Science, India
15:35-15:55	Title: Hybrid Semiconductor–Molecular Heterojunction Photoanodes for Solar Water Oxidation Khurram Saleem Joya , KAUST, Saudi Arabia
15:55-16:15	Title: Nanoengineering of oxide materials for multiferroic applications Vilas Shelke , Barkatullah University, India
16:15-16:35	Title: Microhardness of different-oxides nanoceramics Vladimir Lysenko , Russian Academy of Sciences, Russia
@ AI Habari	
Session 1	Materials Science and Engineering Advancements in Materials Science Emerging areas of Materials Science
Session Chair	Hyuck Mo Lee , KAIST, Korea
Session Co-chair	Shin-ichi Yusa , University of Hyogo, Japan
09:00-09:20	Title: Application of Nanotechnology to Pb-free Solders for Printed Electronics and Catalysis: Viewpoint of Computational Materials Science Hyuck Mo Lee , Korea Advanced Institute of Science and Technology, Korea
09:20-09:40	Title: Smart Single Crystals Pance Naumov , New York University Abu Dhabi, UAE
09:40-10:00	Title: Stimuli-responsive Powder Capsules Shin-ichi Yusa , University of Hyogo, Japan
10:00-10:20	Title: Adaptive and Actuating Single Crystals: Towards Smart Materials and Artificial Molecular Machinery Manas K. Panda , New York University Abu Dhabi, UAE
10:20-10:40	Title: Photogatinged Humidity-Driven Motility Lidong Zhang , New York University Abu Dhabi, UAE
10:40-10:55	Coffee Break @ Foyer B

Session 3	Materials-Environment Interactions Materials Science-Fundamentals & Characterization Materials Processing and Product Manufacturing Mining and Metallurgy
Session Chair	Yuh-Shyong Yang , National Chiao Tung University, Taiwan
Session Co-chair	Feng Liu , Northwestern Polytechnical University, P.R. China
10:55-11:15	Title: Distinction of surface and bulk Brønsted acidic sites in zeolite crystallites Istvan Halasz , PQ Corporation, USA
11:15-11:35	Title: Raman scattering on irradiated materials: From post mortem to in situ measurements Patrick Simon , CEMHTI-CNRS, France
11:35-11:55	Title: Concurring Kinetics of Phase Transition and Grain Growth in Nanostructured Alloy Feng Liu , Northwestern Polytechnical University, P.R. China
11:55-12:15	Title: Molecular Interactions on Silicon Nanowire Following Various Surface Modifications Yuh-Shyong Yang , National Chiao Tung University, Taiwan
12:15-12:35	Title: ANew findings on FIB as nano fabrication technique for localized TEM sample preparation Xiang Li Zhong , The University of Manchester, UK

Scientific Future Group Upcoming Conferences

International Conference on Latest Trends in Biotechnology and Biodiversity

August 24-26, 2015, Dubai, UAE

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August 24-26, 2015, Dubai, UAE

World Congress on Cancer and Prevention Methods

August 27-29, 2015, Dubai, UAE

Global Summit on Virology

August 27-29, 2015, Dubai, UAE

World Congress on Dental Research

November 23-25, 2015 at Dubai, UAE

World Congress on Nursing

November 23-25, 2015 at Dubai, UAE

World Congress and Expo on Materials Science & Polymer Engineering

November 26-28, 2015 at Dubai, UAE

World Congress and Expo on Oil, Gas and Petrochemistry

November 26-28, 2015 at Dubai, UAE

2nd World Congress and Expo on Nanotechnology and Materials Science

March 28-30, 2016 Dubai, UAE

2nd Global Conference on Vaccines

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At Scientific Future Group, we organize and facilitate professional and scientific conferences. Scientific Future Group is one of the innovative organizers of conferences, workshops and exhibitions. Our conferences offer premier content, tremendous delegate experience and extraordinary networking opportunities. Each meeting is organized by leaders in the field, using their expertise to ensure the key topics are covered. The focus on discussion throughout the meeting offers each attendee, at any stage of their scientific career, to get involved in the discussion.

Scientific Future Group is provider of information, solutions to enhance the performance and progress of science, nutrition, health, and technology professionals, and is empowering them to make better decisions, deliver better care, and sometimes make groundbreaking discoveries, that advance the boundaries of knowledge and human progress.

Who we are:

We spread the science among researchers “Science and engineering are vital for economic growth, and we need to do everything we can, to inspire the next generation and show them the vast range of careers available to them.”

~Science Minister David Willetts

As scientific meetings are at the heart of a scientist’s professional life since they provide a beyond price opportunity for schooling, chum around for the networking, and seeking innovative ideas. In addition, meetings should be enjoyable experiences that add exciting breaks to the usual routine in the laboratory.

Scientific Future Group attracts reputed world class scientists, researchers, policy makers and students associated to different research group from all over the world. Research from various extrusive institutions reaches these platforms and they are discussed here with a view to promote knowledge diffusion.

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2nd World Congress and Expo on

Nanotechnology and Materials Science

March 28-30, 2016, Dubai, UAE

Upcoming Journals



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