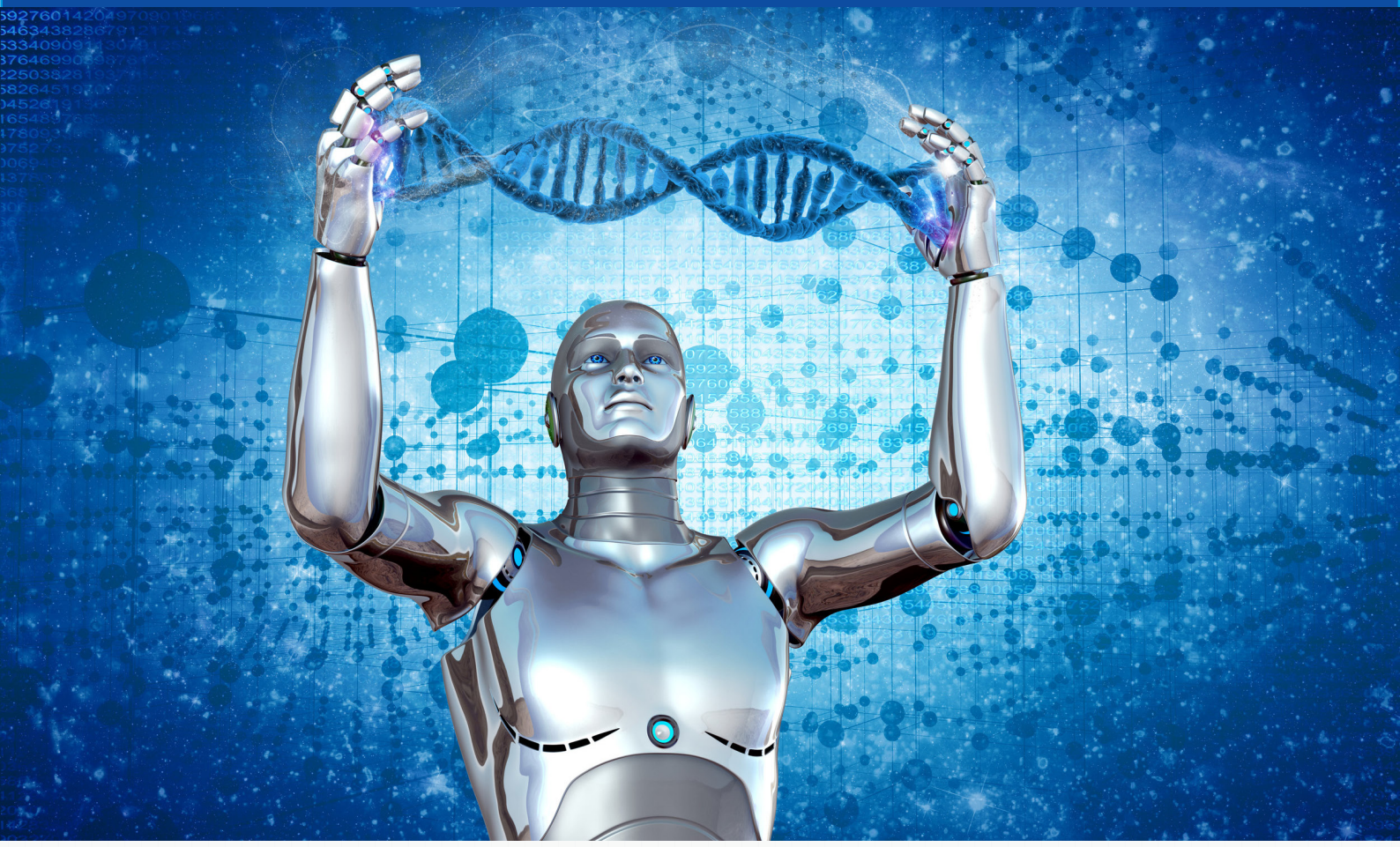
Tentative Program

26th International Conference on

Advanced Nanotechnology

October 04-05 2018 Moscow, Russia



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops | Exhibitors | B2B Meetings

For available speaker slots

advancednano@nanotechconferences.org

26th International Conference on

Advanced Nanotechnology

October 04-05 2018 Moscow, Russia

Program at A Glance

Day 1

Morning Sessions

Reception/Registration	08.00-09.00
Time	**General Session**
09.00-09.15	Inaugural Address
Keynote/Plenary Talks 09.15-09.45	Keynote/Plenary Talk 1
Keynote/Plenary Talks 09.45-10.15	Keynote/Plenary Talk 2
Keynote/Plenary Talks 10.15-10.45	Keynote/Plenary Talk 3
Panel Discussions/Group Photo	
Coffee/Tea Break 10.45-11.00 (Networking)	
11.00-12.40	Nanoscience and Technology
	Nano Medicine, Nano Electronics

Evening Sessions

Lunch Break 12.40-13.30	
13.30-15.30	Nano Materials , Nano particles
	Pharmaceutical Nanotechnology,Nanophotonics
Coffee/Tea Break 15.30-15.45 (Networking)	
15.45-17.25	Materials Science and Engineering
	Nano Science and Technology
	Advanced Nanomaterials, Nano electronics
	Nanostructured materials

Day 2

Morning Sessions

	Time	Session 1	Session 2
Least of 3 Keynote/Plenary Talks	09.15-09.45	Keynote/Plenary Talk 1	
	09.45-10.15	Keynote/Plenary Talk 2	
	10.15-10.45	Keynote/Plenary Talk 3	
10.55-12.35		Nanochemistry	Graphene & 2D Materials
		Applications of Nanotechnology	
Lunch Break 12.35-13.25			

Evening Sessions

13.25-15.05	3D & Nanotechnology, Advanced Nanomaterials	Nanophotonics, Nano Composites
	Molecular Nanotechnology	Nanotechnology Safety, Nano Fluidics
Coffee/Tea Break 15.05-15.20 (Networking)		
15.20-18.00	Nanotechnology in Tissue Engineering	Graphene and its Applications
	Video presentations	
	Young Research Forum	Poster Session

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

For more Details, visit: https://advancednano.nanotechconferences.org/

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CONFERENCE HIGHLIGHTS

- Nano Particles
- Applications of Nanotechnology
- Nanoscience and Technology
- Nanostructures
- Nano electronics
- Materials science
- Nanomaterials
- Nanochemistry
- Nanophotonics
- Nanomedicine
- Graphene & 2D Materails
- Nanotechnology in Tissue engineering
- Materials chemistry (Organic & Inorganic)
- Optics and Laser Technology
- Nano devices and Nano sensors

For detailed sessions, please visit: https://advancednano.nanotechconferences.org/
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Glimpses of Nanotechnology Conference













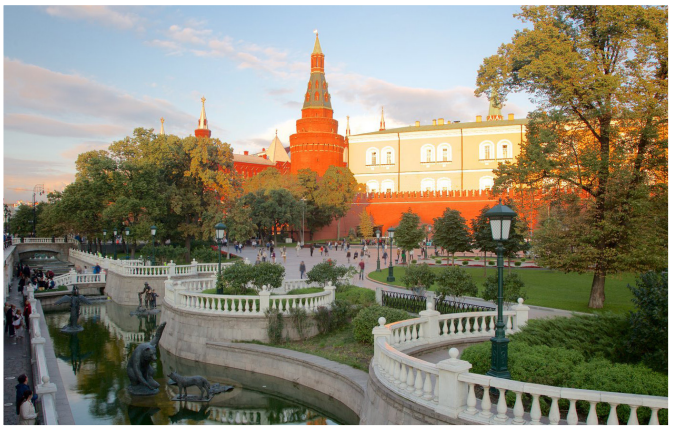


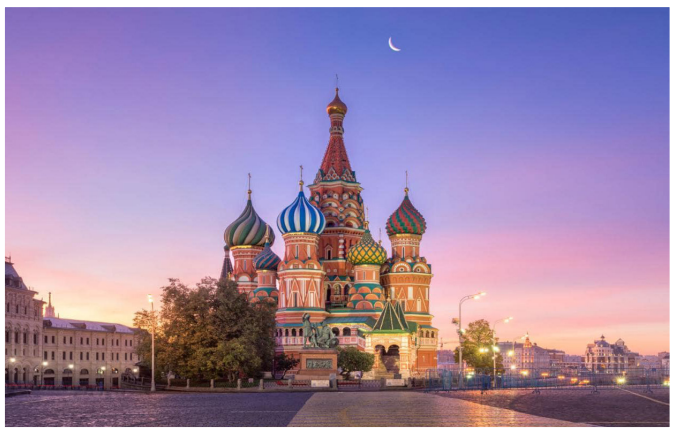




Plan your Trip to Moscow

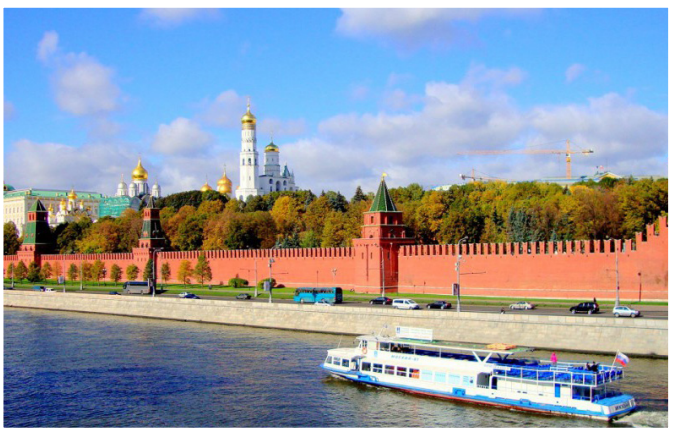
















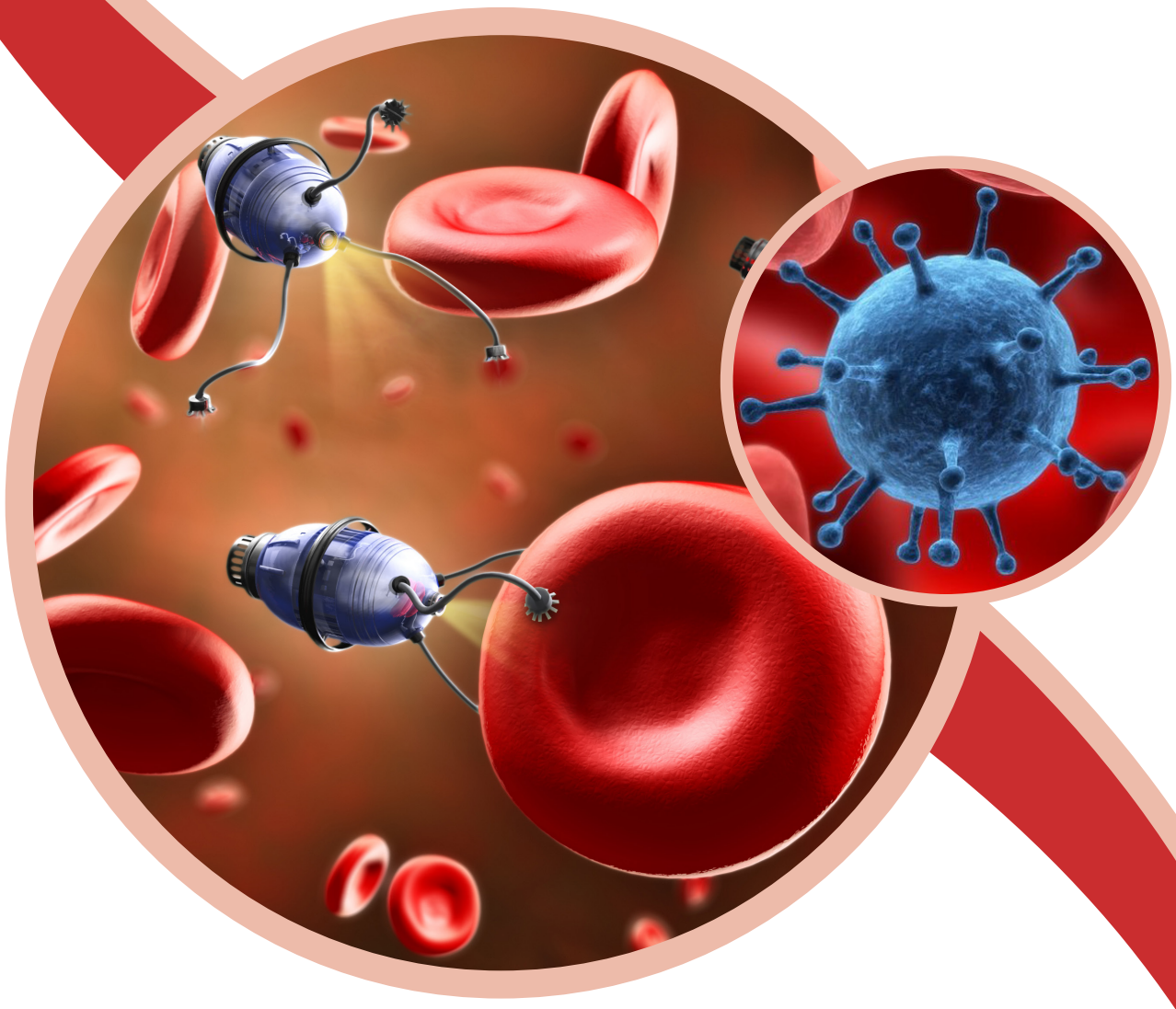
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Scientific Program

16th World

Nano Conference

June 05-06, 2017 Milan, Italy



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Registrations

Barcelona 1

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Opening Ceremony

Keynote Forum

Introduction

Title: The causal link between Nano -Toxicology and human health: DNA damage by UV emission from nanoparticles

Thomas Prevenslik, QED Radiations, China

Title: S-Nitrosated human serum albumin dimer with superior antitumor activity, long blood retention and excellent EPR effect

Masaki Otagiri, Sojo University, Japan

Title: Tuning plasmon resonance of In_2O nanocrystals throughout mid-infrared: dopant, phase, and electronic structure dependence

Pavle V. Radovanovic, University of Waterloo, Canada

Group Photo

Networking and Refreshment Break

Title: Surface-engineered tungsten disulfide (WS_2) inorganic nanotubes (INTs-WS_2) – novel chemically modified nanoscale CNT-replacement inorganic "Nanofillers"

Jean-Paul Lellouche, Bar-Ilan University, Israel

Plenary Session

Title: Ensemble Monte Carlo methods and results for nanoscale Si and III-V n-channel FinFETs; non-equilibrium degenerate statistics, quantum-confined scattering and more

Leonard F Register, University of Texas at Austin, USA

Title: Defluorination-assisted nanotube-substitution reaction with ammonia gas for synthesis of nitrogen-doped single-walled carbon nanotubes

Yoshinori Sato, Tohoku University, Japan

Title: Novel silicon nano-objects

María E Dávila, Instituto de Ciencia de Materiales de Madrid - ICMM - CSIC, Spain

Lunch Break

Title: Metamaterial device design with the extended modal theory

Nathalie Raveu, LAPLACE - Centre National de la Recherche Scientifique, France

Title: Electrically driven nanogap optical antennas

Claire Deeb, Centre de Nanoscience et de Nanotechnologies, France

Title: A novel nanometric cubic phase in monochalcogenide semiconductors – theory and experiment

Guy Makov, Ilse Katz Institute for Nanoscale Science and Technology, Israel

Panel Discussion

Sessions: Nanoscience and Technology | Nano Medicine | Nano Toxicology | Nanophotonics | Nano Composites | Nano Fluidics | Nanotechnology in Agriculture and Food Industry

Session Chair: Jean-Paul Lellouche, Bar-Ilan University, Israel

Session Co-chair: Masaki Otagiri, Sojo University, Japan

Session Introduction

Title: Nanotechnology in liver cancer
Manfred George Krukemeyer, Paracelsus-Hospital Osnabrueck, Germany
Title: Probing atherosclerotic plaque permeability using fluorescent blood pool agents in ApoE$^{(-/-)}$ mouse model
Claudia Cabella, Bracco Imaging SpA, Italy

Networking and Refreshment Break

Title: Nanotechnology: Applications and risks
Akbar S Khan, Defense Threat Reduction Agency, USA
Title:The fantastic voyage of nanoparticles targeting Aβ
Giulio Sancini, University of Milano-Bicocca, Italy
Title: Secondary electron emission from carbon nanoparticles by electron impact
Isabel Montero, Instituto de Ciencia de Materiales de Madrid - ICMM - CSIC, Spain
Title: Reactions of radicals at nanoparticles surfaces
Tomer Zidki, Ariel University, Israel

YRF Session

YRF Judge: Pavle V. Radovanovic, University of Waterloo, Canada

Title: Preparation and characterization of prednisone and ciprofloxacin double layer-loaded chitosan nanoparticles for oral delivery
Modan Wu, Dublin Institute of Technology, Ireland
Title: The cytoplasmic escape pathway of polyethylenimine coated nanoparticles is altered by changing the nanoparticle concentration
Kepsutlu Burcu, Helmholtz-Zentrum Berlin, Germany
Title: Functions of antigen presenting cells can be altered by gold nanoparticles exposure
Alexis Gonon, Institute of Advanced Biosciences-University Grenoble Alpes, France

Panel Discussion

Day 2 June 06, 2017

Keynote Forum

Introduction
Title: Band gap science for organic solar cells
Masahiro Hiramoto, Institute for Molecular Science, Japan
Title: Transparent and conductive nanomaterials
Daniel Bellet, CNRS, France
Title: Functional nanostructures and energy-driven water splitting
Ming-Yong Han, Institute of Materials Research and Engineering, Singapore

Networking and Refreshment Break

Plenary Session

Title: Contact line dynamic of cassie-state wetting on ultrahydrophobic nano-structured surfaces
Jiangtao Cheng, Virginia Polytechnic Institute and State University, USA
Title: Nanostructured supports design: a prospective way to modern catalysts constructing
Vera I Isaeva, National University of Science and Technology "MISiS", Russia
Title: Copper nanoparticles: Retarding air-oxidation without electrical isolation using organic ligands, and the size dependence of nanoparticle work function
Ross A Hatton, University of Warwick, UK
Title: Atomic-scale characterization of semiconductor nanowire surfaces during device operation
Rainer Timm, Lund University, Sweden

Lunch Break

Panel Discussion

Sessions: Nano Electronics | Nano Biotechnology | Nanotechnology in Water treatment | Advanced Nanomaterials | Nanotech for Energy and Environment | Nano Materials Synthesis and Characterisation | Nanobiomaterials

Session Chair: Masahiro Hiramoto, Institute for Molecular Science, Japan

Session Co-Chair: Daniel Bellet, CNRS, France

Session Introduction

Title: The ILs-assisted solvothermal synthesis of TiO_2 spheres: The effect of ionic liquids on morphology and photoactivity of TiO_2
Ewelina Grabowska, University of Gdansk, Poland

Title: Synthesis of highly active supported Pt nanostructure via thermo-destabilization of microemulsions
Riny Yolandha Parapat, Technical University of Berlin, Germany

Title: One-pot synthesis of hydrophilic Nd^{3+}:$Ba_{0.3}Lu_{0.7}F_{2.7}$ nano spheres: Crystal structure, X-ray computed tomography and NIR luminescence
Ana Isabel Becerro, Instituto de Ciencia de Materiales de Sevilla (CSIC-US), Spain

Title: Electrowetting actuation of polydisperse nanofluid droplets
Crismar Patacsil, University of the Philippines Diliman, Philippines

Title: Application of nanoparticles as biomolecular carriers
Laleh Alisaraie, Memorial University, Canada

Title: Enzymatic synthesis and characterization of metallic nanoparticles for targeted application on antimicrobial biodegradable polymers
Iva Rezić, University of Zagreb, Croatia

Title: Light-driven reversible shaping on azopolymeric structures
Francesca Frascella, Politecnico di Torino, Italy

Networking and Refreshment Break

Title: Effect of cold atmospheric plasma application on nano-TiN coated Co-Cr dental alloy
Emre Seker, Eskisehir Osmangazi University, Turkey

Title: Effect of cold atmospheric plasma on collagen membrane surface
Basak Kusakci Seker, Eskisehir Osmangazi University, Turkey

Title: Pulsed laser deposited doped Cu_2O thin films for optical application
Gurpreet Kaur, Dr. B. R. Ambedkar National Institute of Technology, India

Video presentation

Title: The effects of laser characteristics on melting of nano-particles on a surface
Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan

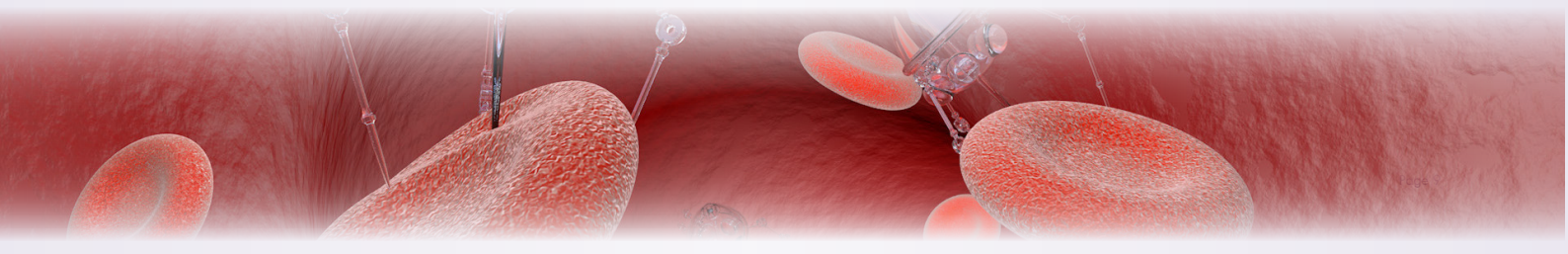
Title: Optical spin injection in atomic monolayers
Norberto Arzate, Centro de Investigaciones en Óptica, Mexico

Poster Presentations

Poster Judge: Yoshinori Sato, Tohoku University, Japan

Panel Discussion

Award & Closing Ceremony



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770th Conference

Scientific Program

11th International Conference and Expo on

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Registrations

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Opening Ceremony

Keynote Forum

Title: Nanoparticles for treatment of Alzheimer Disease
Dr Massimo Masserini, University of Milano-Bicocca, Italy
Title: Tuning nanomaterials' properties to boost photoconversion efficiency in excitonic solar cells
Dr Alberto Vomiero, Luleå University of Technology, Sweden

Networking and Refreshments Break

11:15-11:45 **Title: The role of nanosystems in oil and gas production**
Dr Valeh Shamilov, State Oil Company of Azerbaijan Republic, The Republic of Azerbaijan

Panel Discussion

Group Photo session

Sessions:
Nano-Fabrication, Characterization | Nanomedicine and Nanobiotechnology | Nanotechnology in Energy Molecular Nanotechnology | Nanotechnology for Safety, Regulations and Ethics
Session Chair: Massimo Masserini, University of Milano-Bicocca, Italy
Session Chair: Anna Rita Bilia, University of Florence, Italy

Session Introduction

Title: Accurate and simultaneous biological targets identification by optically active nanoprobes
Dr Nekane Guarrotxena, ICTP-CSIC, Spain
Title: Targeted nanodelivery to treat chronic kidney disease. Nanomaterial design, response of podocytes and the role of glomerular filtration barrier
Stefanio Ordanini, Politecnico di Milano, Italy
Title: Natural Products Loaded In Nanocarriers: An Opportunity To Increase Stability, Oral Bioavailability And Bioefficacy
Dr Anna Rita Bilia, University of Florence, Italy
Title:The capabilities of X-ray excited optical luminescence by using X-ray nanoprobe beamline aimed for 40nm spatial resolution at Taiwan Photon Source.
Dr Bi-Hsuan Lin, National Synchrotron Radiation Research Center, Taiwan

Lunch Break

Title: A new stitching Soft X-ray interference lithography technique
Dr Wu Yanqing, Shanghai Institute of Applied Physics, P R China
Title: Using laser-induced jets fabrication method to control the particle size and alloy ratio of nanoparticle arrays
Dr Shao-Chin Tseng, National Synchrotron Radiation Research Center, Taiwan
Title: Poly-dopamine coated nano-size liposomes as novel drug carriers
Wei Zong, Harbin Institute of Technology, P R China
Title: Design and Synthesis of Magnetic Nanoparticles by Microwave Strategy
Yi-Jun Liang, Southeast University, P R China
Title: Hierarchical Release of Liposomes with Aqueous Two Phase System-A New Strategy for Long-circulating Liposomes
Xunan Zhang, Harbin Institute of Technology, P R China
Title: Facile Encapsulation of Gold Nanoparticles into PLGA Nanocarriers: Toward Visualizing Polymeric Nanoparticles Inside Biological Compartments
Alaaldin M. Alkilany, University of Jordan, Jordan

Networking and Refreshments Break

Title: Synthesis, structural properties and applications of zinc oxide nanowires growth on different substrates
Paula Obreja, National Institute for R&D in Microtechnologies (IMT-Bucharest), Romania
Title: I-CRLMNP: Immobilization of Candida rugosa lipase on magnetic nanoparticles with three different surface modifications
Marzieh Aghababie, University of Isfahan, Iran
Title: Fabrication and characterization of Polyvinyl alcohol nanofiber
Nazanin Ghafari, Islamic Azad University, Iran

Panel Discussion

Keynote Forum

Title: Flame Retardants Nanocomposites-Synergy Effect Of Combining Conventional Antypirenes With Carbon Nanofillers

Dr Ewa-Kicko Walczak, Institute for Engineering of Polymers Materials and Dyes, Poland

Title: The interaction of nano-archeasomes with lung surfactant in monolayer biomimetic systems

Dr E Anibal Disalvo, CIBAAL, Argentina

Sessions:
Advanced Nanomaterials | Nano-Electronics and Microsystems | Applications of Nanotechnology Industrial Nanotechnology | Nanotechnology for Oil and Gas Industry | Medical Nanotechnology in cancer therapy | Biomedical Nanomaterials | NanoTechnology for environment protection

Session Chair: Ewa-Kicko Walczak, Institute for Engineering of Polymers Materials and Dyes, Poland

Session Chair: Alexander Soldatov, Southern Federal University of Russia, Russia

Session Introduction

Panel Discussion

Title: Smart organic-inorganic hybrid nanomaterials. Design and functionality
Dr Nekane Guarrotxena, ICTP-CSIC, Spain

Networking and Refreshments Break

Title: Low power Up-conversion Nano-Materials for Solar Applications and Bio-theranostics
Angelo Monguzzi, Università degli Studi Milano-Bicocca, Italy
Title: Synchrotron Based Picoscale Local Atomic Structure Characterization of Advanced Nanomaterials for Nano-Bio-Med Applications
Alexander Soldatov, Southern Federal University of Russia, Russia
Title: Novel magnetically separable nanocomposites as visible-light-driven photocatalysts with highly enhanced activity
Aziz Habibi-Yangjeh, University of Mohaghegh Ardabili, Iran
Title: Nanofabrication strategies for influencing biomolecule behavior
P Guida, University of Genoa, Italy
Title: Geometry Induced Doping in Thin Si Nano-grating Layers
Mikheil Mebonia, Peter Grünberg Institut PGI, Germany
Title: Research on nano-particle film preparation having a flexible magnetothermal response and good biocompatibility
Fengguo Fan, Southeast University, P R China

Lunch Break

Title: Comprehensive study of ZAIS Nanocrystals photo-physics
Gilles Le Blevennec, Univ Grenoble Alpes, France
Title: Polymeric nanochannels for studing DNA and for counting natural and engineered nanoparticles
Elena Angeli, Univerisity of Genova, Italy
Title: Removal of Dye Contaminants from Waste Water by Using Highly Cross-Linked Polymer as Novel Adsorbant
Cansel Tuncer, Eskisehir Osmangazi University, Turkey.
Title: Albumin-Gold Nanorods Based Core-Shell Nanoplatforms for Cancer Theranostics
Hsien-Ting Chiu, National Tsing Hua University, Taiwan, R.O.C
Title: Conservation Of Historical Documents With Silver/Chitosan Nanocomposite
Güncem Özgün Eren, Yıldız Technical University, Turkey.
Title: Synthesis and Characterization of Superparamagnetic Colloidal Nanoparticles for Theranostics in Oncology
Elena Kuchma, Southern Federal University, Russia.

Networking and Refreshments Break

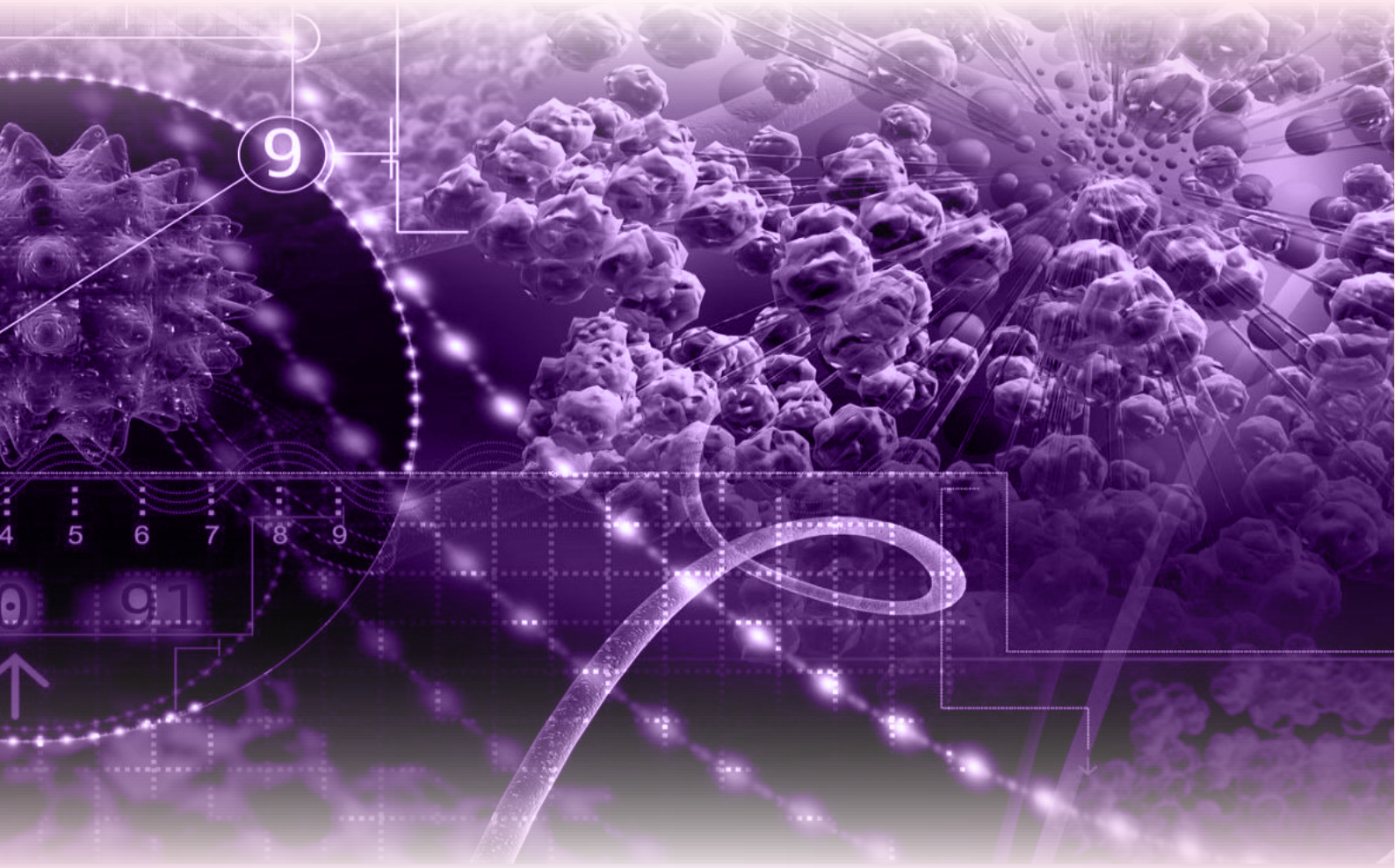
Special Keynote Session

Title: Energy harvesting form solar light by nano structural controlled iron oxide thin films

Hitoshi Tabata, University of Tokyo, Japan

Title: In-vitro Controlled Release of 5-FU Drug from a Stimuli-Responsive Microjel/Liposome Biomaterials at Different Temperature
Damla Ülker, Eskisehir Osmangazi University, Turkey
Title: Applications of nanotechnology in oil and gas industry
Faseeh Ahmad Khan, DIT University, India
Title: Skin permeation characterization for conjugated carboxymethyl-oligochitosan-carboxymethyl-5-fluorouracil nanoparticles
Mazita Mohd Diah, iPROMISE, Malaysia

Poster Presentations @ Cassia	
Poster Judge: Hitoshi Tabata, University of Tokyo, Japan	
NSC-01	**Title: Antigen encapsulated O-carboxymehtyl chitosan nanoparticles for vaccine delivery** **Natalia Marchesan Bexiga**, Sao Paulo University School of Pharmaceutical Sciences, Brazil
NSC-02	**Title: Single nanowire on graphene (SNOG) as an efficient, reproducible, and stable SERS-active platform** **Taejoon Kang**, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea
NSC-03	**Title: Preparation of pyrenyl-based multifunctional nanocomposites for biomedical applications** **Eun-Kyung Lim**, Korea Research Institute of Bioscience and Biotechnology, Korea
NSC-04	**Title: Production of CdS Nanoparticles with Different Methods and Their Usage in Waste-Water Treatment** **Cansel Tuncer**, Eskisehir Osmangazi University, Turkey
NSC-05	**Title: Stimuli-Responsive Microjel/Liposome Hybrit Biomaterials For Controlled and Targeted Drug Release Applications** **Vural Butun**, Eskisehir Osmangazi University, Turkey
NSC-06	**Title: Dispersion of carbon nanotubes by (in) gemini surfactants solution** **Michalina Scupin**, Adam Mickiewicz University, Poland
NSC-07	**Title: Investigation of behavior of water protons in close proximity to Multiwalled Carbon Nanotubes coated by Gemini Surfactants** **Justyna Iżykowska**, Adam Mickiewicz University, Poland
NSC-08	**Title: Investigation of morphology and stability of carbon nanomaterials dispersions with surfactants.** **Augustyn Moliński**, Adam Mickiewicz University, Poland
NSC-09	**Title: The study of electrostatic properties and dispersion quality of the aqueous solutions of carbon nanotubes with dimeric surfactants** **Jakub Zareba**, Adam Mickiewicz University, Poland
NSC-10	**Title: Ketoprofen –loaded nanoparticles PLGA – PEG conjugated with a peptide of ocular delivery** **Roberto Carlos Gónzalez Pizarro**, University of Barcelona, Spain
NSC-11	**Title: Direct synthesis of hydrogen peroxide from hydrogen and oxygen over core-satellite nanocatalysts protected by a mesoporous silica shell** **Myung-gi Seo**, Korea University, South Korea
NSC-12	**Title: A new stitching Soft X-ray interference lithography technique** **Jun Zhao**, Shanghai Institute of Applied Physics, P R China
NSC-13	**Title: Polyacrylic Acid Coated PAMAM Dendrimer Nanocluster as a pH-Responsive Drug Delivery Vehicle for Targeted Therapy** **Tsu-An Yang**, National Chiao Tung University, Taiwan
NSC-14	**Title: Nano-Bio-Integration of Albumin-Gold Nanorods Laden Macrophage for Tumortropic Drug Delivery and Controlled Release in Cancer Therapy** **Hsien-Ting Chiu**, National Chiao Tung University, Taiwan
NSC-15	**Title: Electrospun Polystyrene (PS) Nanofibers Loaded with Polyvinylchloride (PVC) Particles for Crude Oil Spill Cleanup** **Mohamed Alazab Alnaqbi**, United Arab Emirates University, United Arab Emirates
NSC-16	**Title: Biopolymer nanocomposites based on poly(hydroxybutyrate-co- hydroxyvalerate) and WS2 inorganic nanotubes** **Mohammed Naffakh**, Escuela Técnica Superior de Ingenieros Industriales (ETSII-UPM), Spain
NSC-17	**Title: Novel electrospun composite nanofibres incorporating conducting polyaniline for wound healing applications** **Panagiota Moutsatsou**, Loughborough University, UK
NSC-18	**Title: Cytotoxic effects and intracellular trafficking pathways of conjugates of AFP receptor binding domain with different charged PAMAM dendrimers in tumor cells** **Nikita Yabbarov**, A. Tsyb Medical Radiological Research Centre, Russia
NSC-19	**Title: Study of some effective parameters on characterization of gelatin nanofiber prepared from gelatin-acetic acid solution** **Kooshina Koosha**, Islamic Azad University, Iran
Day 3 October 22, 2016	
Extended Networking and Lunch	
Closing Ceremony	


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Registrations

Central 1

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Opening Ceremony

Keynote Forum

Introduction

Title: Nanoclay minerals and plastics: tiny particles deliver big impact

Suprakas Sinha Ray, Chief Research Scientist and Director, DST-CSIR National Centre for Nanostructured Materials, SA

Session Introduction

Track 1: Nanomaterials Particles and Applications
Track 4: Nano Electronics
Track 5: Molecular Nanotechnology
Track 9: Reinforcements in Nanotechnology

Session Chair: Bonex W Mwakikunga, DST/CSIR National Centre for Nano-Structured Materials, SA

Session Co-chair: Annie Chimphango, Stellenbosch University, SA

Session Introduction

Title: Preparation of Au/silica/cellulose nanoparticle colloid solution and its use in X-ray imaging process

Yoshio Kobayashi, Ibaraki University, Japan

Networking & Refreshments

Title: Polymer nanofibers for desulfurization of fuels

Zenixole R Tshentu, Nelson Mandela Metropolitan University, SA

Title: Graphene and Titanium dioxide based hybrid materials as photoelectron catalytic systems

Rodrigo Segura, Valparaiso University, Chile

Title: Nanoscale sovereignty for waste water remediation

Shivani Bhardwaj Mishra, University of South Africa, SA

Title: Water Purification using Nanotechnology

Arjun Maity, DST/CSIR Innovation Centre, SA

Title: Comparison of morphological properties of xylan nanohydrogels produced by enzymatic and chemical methods

Annie Chimphango, Stellenbosch University, SA

Panel Discussions

Group Photo

Lunch Break

Title: Microneedles from fishscale nanocellulose blends using low temperature mechanical press method

Olatunji Ololade, University of Lagos, Nigeria

Young Researchers Forum

Session Judge: Martin Falk, Institute of Biophysics of ASCR, Czech Republic

Session Judge: Genene Tessema Mola, University of KwaZulu-Natal, SA

Title: Looking for quantum size effects in Zr-Pb-O_2 one dimensional nanorods

K. Kaviyarasu, University of South Africa, SA

Title: Characteristics of Colloidal Ag Nanoparticles in Polyvinyl Alcohol with Different Molecular Weight.

Bella Mellisani, Gadjah Mada University, Yogyakarta, Indonesia.

Title: Gas Sensing Properties of VO_2 –Vanadium Dioxide Nanobelts: Strongly Correlated Materials in Low Dimension.

Aline Simo, University of South Africa, SA

Title: Biosynthesis of NiO nanoparticles using Callistemon viminali's extracts & their potential for psuedocapacitor applications.

Bertrand Tumbain Sone, University of the Western Cape, SA

Networking & Refreshments

Title: Sorption of NO, CO and CH_4 on Indium Phosphide Nanowires Supported with Molecular Modelling.

Sanele Nyembe, University of Witwatersrand, SA

Title: Facile method on fabrication of mixed phase bimetallic nanocomposite with high activity for electrocatalytic application

Nolubabalo Matinise, iThemba LABS-National Research Foundation, SA

Title: Application of punica granatum L functionalised bimetallic nanooxides on PVP with high catalytic activities via facile green process.

Xolile Fuku, University of South Africa, SA

Title: Iron oxide/phthalocyanine composites for electrochemical detection of heavy metals.

Denisha Gounden, University of Kwa Zulu-Natal, SA

Title: Aqueous Synthesis of Copper Sulfide Nanoparticles for Biological Applications

Phumlani Tetyana, Mintek Nanotechnology Inovation Centre, SA

Title: X-ray diffraction and band gap studies of bimetallic silver-platinum nanoparticles

Fredrick O. Okumu, Cape Peninsula University of Technology, SA

Panel Discussions

Day 2 June 21, 2016

Central 1

Keynote Forum

Introduction

Title: The Nanowire-based Breath Analyser Technology for Disease Detection

Bonex W Mwakikunga, Principal Researcher, DST/CSIR National Centre for Nano- Structured Materials, SA

Title: Novel Black Selective Solar Absorbers For High Temperature Concentrated Sola Power Applications

Malik Maaza, UNESCO UNISA Africa Chair in Nanosciences & Nanotechnology, SA

Track 2: Nanoscience & Technology
Track 3: Nano Medicine
Track 6: Nanotechnology in Energy Systems
Track 7: Emerging Areas of Nanotechnology
Track 8: Nano Applications

Session Chair: Zhypargul Abdullaeva, Kumamoto University, Japan

Session Co-Chair: Amr Tayel, The American University in Cairo, Egypt

Session Introduction

Title: Solvothermal synthesis of Graphene, carbon-based Nanoparticles, Characterization, study their properties and Applications

Zhypargul Abdullaeva, Kumamoto University, Japan

Title: The mechanism of metal nanoparticle-mediated radiosensitization of tumor cells may be independent of DNA damage amplification and DNA repair inhibition

Martin Falk, Institute of Biophysics of ASCR, Czech Republic

Networking & Refreshments

Title: Artificial Photosynthesis: Solar Light Driven Selective Methanol Production by CO_2 Reduction

Young Soo Kang, Sogang University, South Korea

Title: Biosensing Applications of Upconverting Lanthanide Nanophosphors

Kelgenbaeva Zhazgul, Kumamoto University, Japan

Title: Effect of solvent additives in nano-scale morphology of thin film organic solar cell

Genene Tessema Mola, University of KwaZulu-Natal, SA

Title: Nanofluids and the Research Opportunities

Mohsen Sharifpur, University of Pretoria, SA

Title: Nanostructured $LiMn_2O_4$ cathode materials for efficient lithium ion battery energy storage systems

Mesfin Abayneh Kebede, The Council for Scientific and Industrial Research(CSIR), SA

Lunch Break

Title: TiO_2-Graphene Oxide (GO) Nanocomposites: Synthesis, Environmental Applications and Surface Characterization using Perichromism

Amr Mohamed Tayel, The American University in Cairo, Egypt
Title: High perfermence supercapacitor based on 3D graphene nanocomposite

Saleh Khamlich, iThemba LABS-National Research Foundation, SA.

Young Researchers Forum

Session Judge: Mesfin Abayneh Kebede, The Council for Scientific and Industrial Research (CSIR), SA

Session Judge: Kelgenbaeva Zhazgul, Kumamoto University, Japan

Title: Bimetallic nanoparticles by solvothermal synthesis

Chloë Oakland, The University of Manchester, UK
Title: Detection of aqueous uranyl (VI) species using rare-earth upconversion nanophosphors

Aruna Reddy, The University of Manchester, UK
Title: Order-disorder on the nanostructures on the ocellus of the Caligo memnon (C& R elder[1867]) butterfly

Juliet Sackey, University of South Africa, SA
Title: Linear polyamidoamine Conjugate Containing Pamidronate and Platinum Drug: Characterization and In Vitro Cytotoxicity

Abongile Ndamase, Tshwane University of Technology, SA
Title: Surface modification and oxidation of vanadium thin film using femtosecond laser

Lebogang Kotsedi, University of South Africa, SA.

Networking & Refreshments

Video Presentations

Title: Heating and melting induced by surface plasmon on a metal

Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan
Title: AFM investigation of DNA and their interaction with MCM protein complex

Amna Abdalla Mohammed Khalid, Trieste University, Italy
Title : Effects of Gold Nanoparticles on Marine Species

Maria de Lourdes Pereira, University of Aveiro, Portugal

Poster Presentations