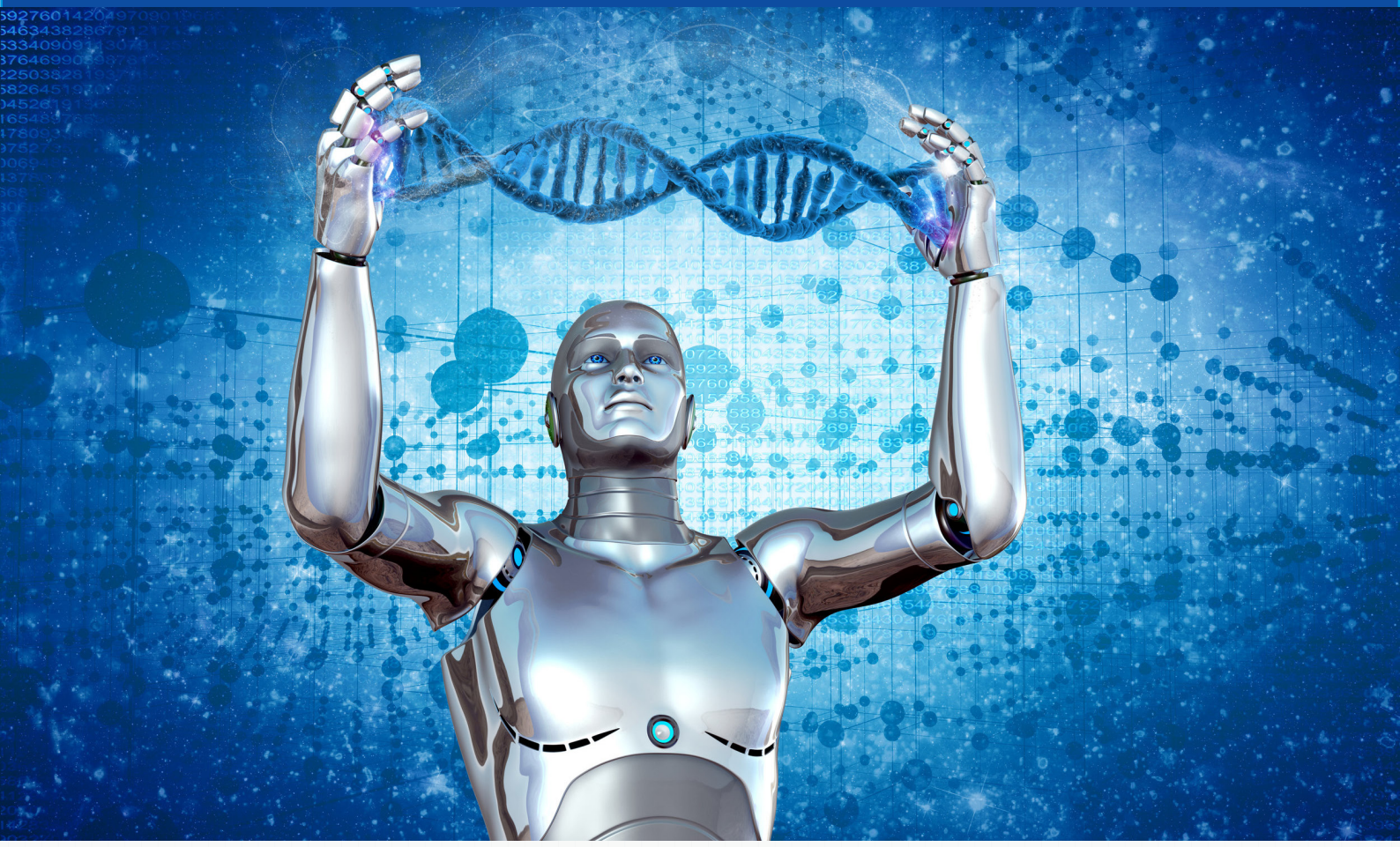
Tentative Program

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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PROVISIONAL PROGRAM

Tentative Speakers

Title: Basic physics disproves the obligatory ISO-14577 standards: a dilemma for all indentation mechanics

Gerd Kaupp, University of Oldenburg, Germany

Biography: Dr. Gerd Kaupp studied chemistry at the University of Würzburg, Germany and had postdoctoral appointments at Ames, Iowa, Lausanne, and Freiburg i. Br, where he became appointed as associate professor. From there he was appointed full professorship at the University of Oldenburg in 1982. He is keynote speaker in these fields, published numerous scientific papers and books and is inventor of patents in solid-state and environmental chemistry.

Title: Myosin Heads in Muscle Can Sense Presence or Absence of Actin Filaments to Decide the Direction of ATP-Induced Movement

Haruo Sugi, Teikyo University of Medicine, Japan

Biography: Haruo Sugi graduated from postgraduate school in the University of Tokyo with the degree of PhD, and worked in the University of Tokyo Medical School, Columbia University and the National Institutes of Health. He was professor and Chairman in the Department of Physiology, Teikyo University Medical School from 1973 to 2004 when he became emeritus professor. Sugi was chairman of Muscle Commission in the International Union of Physiological Sciences from 1996 to 2006.

Title: Optical nanosensors based on light scattering: Physical principles and applications for medical diagnostics and food control

A.D. Levin, All-Russian Research Institute for Optical and Physical Measurements, Russia

Biography: A.D. Levin is currently working as an Leading Research Scientist at All Russian Research Institute for Optical and Physical Measurements.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Mechanical and Electric Properties of Nanofiber-Polymer Composites under Different Electric Fields

Masaru Matsuo, Dalian University of Technology, China

Biography: Masaru Matsuo has completed his PhD at Kyoto University in Japan and he was a professor of Nara Women's University. After his retirement, he became a full time professor of Dalian University of Technology in China. He is IUPAC fellow and "Certificate of Membership Award of ACS (July 2015~ July 2018). He received "Award of Society of Fiber Science and Technology of Japan on May 1990, "Paul Flory Polymer Research Prize" on April 2010 and "Certificate of friendship Award of Liaoning Province in China" on September 2011.

Title: Nanoclay Application to Geotextiles to Improve Adsorption Function for Removal of Heavy Metal and Toxic Components in Waste Landfill Sites Satellites

Han-Yong Jeon, Inha University, Korea (South)

Biography: Prof. Han-Yong Jeon, geosynthetics/technical organic materials researcher and he was the 32nd President of Korean Fiber Society (2014~2015). He has published more than 881 proceedings in domestic and international conferences. He has awards of Marquis Who'sWho - Science and Engineering in 2003~2018 and also, he got the 33rd Academy Award of Korean Fiber Society in 2006 and "Excellent Paper Award of 2012" by The Korean Federation of Science and Technology Societies.

Title: Plasma Processing for Carbon Nanostructures

Mineo Hiramatsu, Meijo University, Japan

Biography: Dr. Mineo Hiramatsu is a Full Professor of Department of Electrical and Electronic Engineering and the Director of Research Institute, Meijo University, Japan. He served as the Director of The Japan Society of Applied Physics. His main fields of research are plasma diagnostics and plasma processing for the synthesis of thin films and nanostructured materials. Author of more than 100 scientific papers and patents on plasma processes for materials science. Member of organizing and scientific committees of international conferences on plasma chemistry and plasma processing. Japan Society of Applied Physics Fellow.

PROVISIONAL PROGRAM

Tentative Speakers

Title: : Preparation and fabrication studies of Three Dimensionally Ordered nano-, micro- and meso-scale calcium phosphate crystallites scaffold for artificial bone materials (3-DOMm)

Myung Chul Chang, Kunsan National University, South Korea

Biography: Myung Chul Chang has completed his PhD at the age of 36 years from Seoul National University and postdoctoral studies from University Illinois at Urbana Champaign. He is the director of Biomaterials Lab. He has published more than 50 papers in reputed journals and has been serving as an editorial board member of repute.

Title: SWCNT-Single-walled carbon nanotube synthesis by alcohol catalytic chemical vapor deposition in high vacuum using platinum-group metal catalysts

Takahiro Maruyama, Takahiro Maruyama, Japan

Biography: Takahiro Maruyama is a Professor of Department of Applied Chemistry at Meijo University, Nagoya, Japan. He graduated from Factory of Science at Kyoto University and has completed his PhD at the age of 28 years from Kyoto University and postdoctoral studies from University of Tsukuba and Ritsumeikan University. He is the director of Nanomaterials Research Center in Meijo University. He has published more than 100 papers in peer-reviewed international journals and has been serving as an editorial board member of GCET.

Title: Configuring 2D Materials by Stacking Order for Energy Harvesting and homo-junctions

Ze Xiang Shen, Nanyang Technological University,Singapore

Biography: Dr. Shen is a Professor in the School of Physical and Mathematical Sciences, Nanyang Technological University (NTU); Co-Director, Centre for Disruptive Photonics Technologies. His main research areas include graphene, 2D materials, and perovskites. He also works on graphene based composites for energy harvesting (Li Ion batteries and supercapacitors) and nano electronics. He won NTU Nanyang Award for Research and Innovation, and Gold Medal for Research Excellence by Institute of Physics Singapore. Shen authored over 500 peer reviewed journal papers, 6 book chapters, edited 5 books and over 300 conference papers.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Developement of Dielectric nano-Crystals Structures for Highly Sensitive Piezoelectric Detectors

S. Berger, Technion-IIT, Israel

Biography: Shlomo Berger has completed his PhD from the Technion Institute of Technology, Israel. He completed one year of a postdoctoral term at Harverd University, USA. Since then, he is a faculty member in the faculty of materials science and engineering, Technion, Israel. His research group developed a unique process of growing low-k nano-crystals with preferred crystallographic orientations leading to a highly sensitive detection of heat and mechanical pressure. He presented his research work in many invited talks and reviewed scientific papers.

Title: Size-dependent behavior of electrospun polymer nanofibers

Arkadii Arinstein, Technion-IIT, Israel

Biography: Arkadii Arinstein received his PhD degree in Theoretical and Mathematical Physics from the Landau Institute for Theoretical Physics of the Russian Academy of Sciences in 1982. For many years he worked in the Semenov Institute for Chemical Physics of the Russian Academy of Sciences where he received DSc (habilitation) degree in Chemical Physics in 1995, and thereafter, Professor's rank. Now, Arkadii Arinstein is the Research-Professor at the Technion − Israel Institute of Technology. His research interests include statistical physics of polymers; non-linear phenomena and kinetic processes in disordered systems; etc. Last 10 years his studies are devoted to the physics of electrospun polymer nanofibers.

Title: : Optical Properties of Nanocomposites

Dondi dall'Orologio Giovanni, University of Bologna, Italy

Biography: Giovanni Dondi dall'Orologio, doctor in Medicine at the University of Bologna in 1969, achieved the post graduated title of specialist in dentistry. He was Assistant Professor in 1973 and Associate Professor from 1983. Head of the Division of Conservative Dentistry from 1973 to 2014. Director of the Master in Clinical Dentistry with advanced technology from 2003 to 2014.
He experimented new technology with a spectrophotometer: this led to the development of a new machine for reading the color of composite restorations in vivo. He has published more than 75 papers in reputed international journals.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Biodegradable Load-bearing Nanocomposites for controlled Drug Delivery and damaged Bone Repair

Elazar Y Gutmanas, Technion-Israel Institute of Technology, Israel

Biography: Elazar Gutmanas has defended his Ph.D.in 1970 (Institute of Solid State Physics, Academy of Sciences of USSR). He immigrated from the U.S.S.R. and joined Technion in1974. He investigated dislocation mobility and mechanisms of plastic deformation. Currently cold sintering is used for processing of load-bearing bioresorbable nanocomposites for orthopedic implants.

Title: Graphene-based Ionic Polymer Metal Composites for Kinetic Energy Harvesting Sustainably in the Ocean

Hyung-Man Kim, INJE University, Republic of Korea

Biography: Hyung-Man Kim is currently Chair Professor of Mechanical Engineering at INJE University and the Director of the National Leading Research Laboratory of regenerative fuel cell. His academic career started with a Bachelor's and a Master's degree, both in Mechanical Engineering from Seoul National University, Korea, followed by a Ph.D. degree at the University of Tokyo, Japan, in 1997. In the international community, Prof. Kim has served as reviewer and has been a member of the editorial board for more than 20 international journals.

Title: Bismuth-based New Photocatalysts and Associated Photoreactors

Jason Zhang, University of Ottawa, Canada

Biography: Dr. Jason Zhang completed his post-secondary education in Chemical Engineering at Hebei University of Technology, Tianjin University, and University of Waterloo respectively. He works at the University of Ottawa as a full professor and Vice-Dean of Engineering. He is currently on academic leave at Hebei University of Technology. Dr. Zhang has published over 70 papers in SCI-Indexed journals since 2013 and he also serves as editorial board members in Chinese Journal of Chemical Engineering and Biotechnology Advances.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Growing of apatite particles on surfaces of natural rubbers and their effects on blood wettability

Rodney Marcelo do Nascimento, University of Sã Paulo, Brazil

Biography: Rodney Marcelo do Nascimento has completed his PhD in the final of 2011 from Universidade Estadual Paulista UNESP, Brazil and postdoctoral studies from Université Claude Bernard Lyon, France in 2015. He has published 9 papers as first author in reputed journals and has been serving as a reviewer board member of the International Journal of Nanomedicine since 2017. He has received an award in Surface Engineering from the National Institute of Surface Engineering – Conselho Nacional de Desenvolvimento Científico e Tecnológico-CNPq, Brazil, 2013.

Title: Thin and ultrathin protective coatings - unapparent but already in industry

Väino Sammelselg, University of Tartu, Estonia

Biography: Väino Sammelselg has completed his PhD in 1989 from Institute of Physics of Estonian Academy of Sciences and following years was visiting resercher in several universities of Finland and Sweden. In 2003 was elected inorganic chemistry professor in the Institute of Chemistry of University of Tartu, is serving today also as head of materials science department in the Institute of Physics. He has published more than 140 papers referred in WOS database, and has h-index 32.

Title: Multiscale Modeling Framework for Nanoparticles, Nanomaterials, and Nanotechnology

Andriy Kovalenko, University of Alberta, Canada

Biography: Andriy Kovalenko is Senior Research Officer at the National Institute for Nanotechnology, and Adjunct Professor in the Department of Mechanical Engineering at the University of Alberta, Edmonton, Canada. He earned his PhD degree (1993) in Theoretical and Mathematical Physics from Lviv State University, Bogolyubov's Institute. Dr. Kovalenko has been developing methodology and software implementation of statistical-mechanical, molecular theory of solvation, coupling it with electronic structure theories, molecular simulations, and docking protocols in a platform of predictive multiscale theory and modeling of chemical, supramolecular, and biomolecular systems for new advances of a general framework of multiscale methods.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Separation of medical nanopowder from the natural minerals by ScCO2

Jambiin Oyun, National University of Mongolia, Mongolia

Biography: Jambiin Oyun-Professor of Chemical Department of Technology Division at the Ulaanbaatar State University of Mongolia. Graduated from Irkutsk State University named A.A. Zhdanov specializing in chemistry. In 1984 was defended Ph.D on the topic “Concentration and determination of microquantities rare earth elements from minerals and rocks by polymeric chelating sorbents” and Sc.D on the topic “Scientific basis of traditional technology for the treatment of pharmaceutical minerals in Mongolia” by the Scientific Committee of the Mongolian Academy of Sciences and Chemical Science in 2002.

Title: Anthracene-based molecular glasses. Design, synthesis and applications in nanolithography and organic electronics. Overview and perspectives

Veroniki P. Vidali, NCSR "Demokritos", Institute of Nanoscience & Nanotechnology, Greece

Biography: Dr. Veroniki P. Vidali is an organic chemist. She obtained her PhD, from Agricultural University of Athens (2004), working on total synthesis. She worked as a post-doctoral fellow at Natural Products and Bioorganic Chemistry Laboratory/Institute of Nanoscience and Nanotechnology at NCSR “Demokritos" (2004-2007) and as scientific staff (2007-2017), while since 2017 she has been working as a research assistant at NCSR “Demokritos. She has co-authored 18 peer-reviewed research articles in international journals, one book-chapter and she is co-inventor in two patents.

Title: AgNP/CE Electrospun Nanofibrs for antibacterial Applications

Jatoi Abdul Wahab, Shinshu University, Japan

Biography: Mr. Jatoi Abdul Wahab is a PhD student at Bioscience and Textile Technology Department, Shinshu Univeristy, Ueda, Japan. He did his M.E from Mehran-UET, Pakistan and MSc in Textile Engineering (Chemical Engineering Class) from Politecnico di Torino, Italy. Mr. Jatoi has been engaged in research, teaching and academic activities for over ten (10) years. He has so far published 17 research articles in reputed research journals. He is author of four (4) workbooks and has presented (both oral and poster presentations) his research in several international conferences as well.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Absolute Stability of Control System with Electromagnetoelastic Actuator for Nanotechnology Applications

S.M. Afonin, National Research University of Electronic Technology MIET, Russia

Biography: Sergey Mikhailovich Afonin (PhD) now is an associate professor of Department of Intellectual Technical Systems of National Research University of Electronic Technology (Moscow Institute of Electronic Technology MIET). A graduate of the National Research University of Electronic Technology MIET, engineer in Electronic Technology 1976. Degree PhD in Electronic Technology Engineering and Control Systems received in MIET 1982.

Title: Shadow boxing with laser: Laser damage resistance of three-dimensional photonic crystals

Lei Pan, Harbin Institute of Technology, China

Biography: Lei Pan is a research associate in School of Chemistry and Chemical Engineering at Harbin Institute of Technology. He received his B.E. and M.E degrees from Tianjin University and Ph. D from Harbin Institute of Technology (2015). His current research interests mainly focus on design and fabrication of well-defined nano-structured materials and their applications for optical and thermal field.

Title: THz short pulse generation in quantum cascade lasers

Jerome Tignon, Sorbonne Université, France

Biography: Jerome Tignon has complete his PhD at ENS/SU in Paris in 1996 and his postdoctoral studies at LBNL (Berkeley, CA) in the Chemla group (1996-98). He is currently the director of the Laboratoire Pierre Aigrain (for condensed matter) in the Physics Department of Ecole Normale Superieure in Paris. He has published more than 150 papers, gave over 50 invited talks and will be the chairman of IRMMW-THz in Paris (2019).

PROVISIONAL PROGRAM

Tentative Speakers

Title: Photoluminescence of Carbon Quantum Dots

S. J. Xu, University of Hong Kong, Hong Kong

Biography: S.J. Xu received his PhD in Electronic Engineering from Xi'an Jiaotong University in 1993. He is currently a full professor with tenure in Department of Physics, The University of Hong Kong (HKU). Prior to joining HKU, S.J. Xu conducted research in Institute of Materials Research and Engineering (IMRE) as a research fellow, Singapore, and in National University of Singapore (NUS) as a postdoctoral fellow, respectively. He has published more than 160 peer-reviewed articles with >5300 citations (Google Scholar), and has been serving as an editorial board member of several international journals.

Title: Design of Bulk Nanostructured Materials for Superior Multifunctional Properties

Ruslan Z. Valiev, Ufa State Aviation Technical University, Russia

Biography: Ruslan Z. Valiev is Director of Institute of Physics of Advanced Materials, Ufa State Aviation Technical University (Ufa, Russia) and also Supervisor of the Laboratory for Mechanics of Advanced Bulk Nanomaterials of Saint-Petersburg State University. Professor Valiev established the vision for the potential of bulk nanostructured metals and pioneered the development of severe plastic deformation as the effective process by which these materials can be produced.

Title: Structural design of double layer microwave absorbers based on PVB/BaTiO3 and PVB/PANI modified-BaTiO3 nanocomposites

Yuksel AKINAY, Karabuk University,Turkey

Biography: Yuksel Akinay is a research assistant at Materials Research and Development Center of Karabük University, Turkey. He obtained his Bachelor's degree from the Metallurgical and Material Engineering Department, University of Yıldız Technical University, Istanbul, Turkey, in 2010. Dr. Akinay received his PhD degree in Material Science from Karabuk University in Turkey. His research interests include polymer composite materials, nanocomposite, microwave absorbing, microstructure characterization. He was trained for SEM characterization at Zeiss Company, Germany and he has been working in the SEM laboratory for about 4 years. He has 12 more test certificates besides SEM.

PROVISIONAL PROGRAM

Tentative Speakers

Title: Confined Nanoscale geometries to enhance sensitivity of Plasmonic

Rishabh Rastogi, Luxembourg Institute of Science and Technology, Luxembourg

Biography: Rishabh Rastogi is a PhD. Student from Delhi, India. During his studies he worked within different laboratories learning scientific skills and gaining experience in nanofabrication, which made him motivated towards this field. He is working on fabrication of structures that engineered nanoscopically in order to achieve enhancement in electromagnetic waves due to confinement effects. At LIST he is working towards developing plasmonic immunoassays with extreme sensitivity.

Title: Gas phase of nanoparticle production at large scale

S.P. Bardakhanov, Lavrentiev Institute of Hydrodynamics of SB RAS, Russia

Biography: Professor Sergey P. Bardakhanov has completed his PhD at the 1985 from Khristianovich Institute of Theoretical and Applied Mechanics, Dr. Sc. at the 1999 from Institute of Thermophysics. He is the general director of “Bardakhanov” LLC, a nanopowder production company. He has published more than 100 papers in reputed journals.

Title: Enhanced Metallized Nanoporous Aluminum Oxide Films: Principles of Obtaining, Main Results and Applications

Gleb A. Lyubas, Russian Academy of Sciences, Russia

Biography: Gleb A. Lyubas has completed his PhD at the age of 30 years from Novosibirsk State University. He is the research scientist of Vorozhtsov Institute of Organic Chemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk, 630090 Russia. He has published more than 55 papers in reputed journals.

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

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Glimpses of Nanotechnology Conference











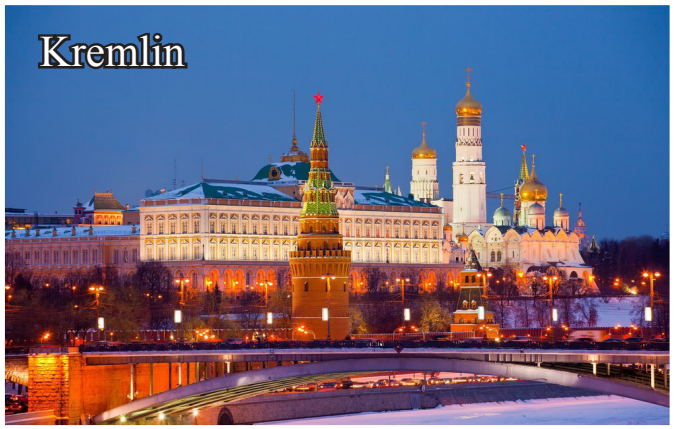








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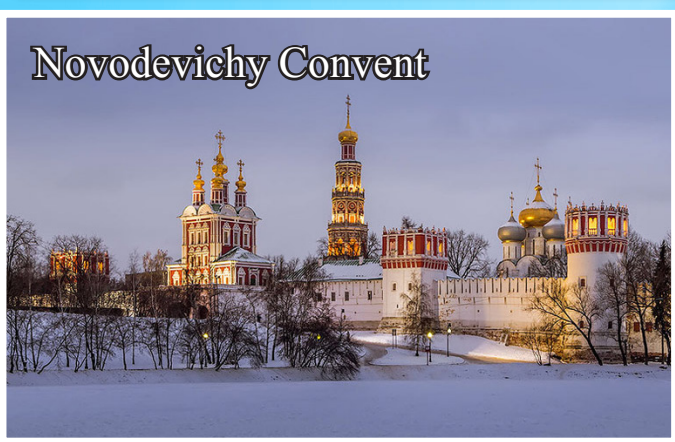












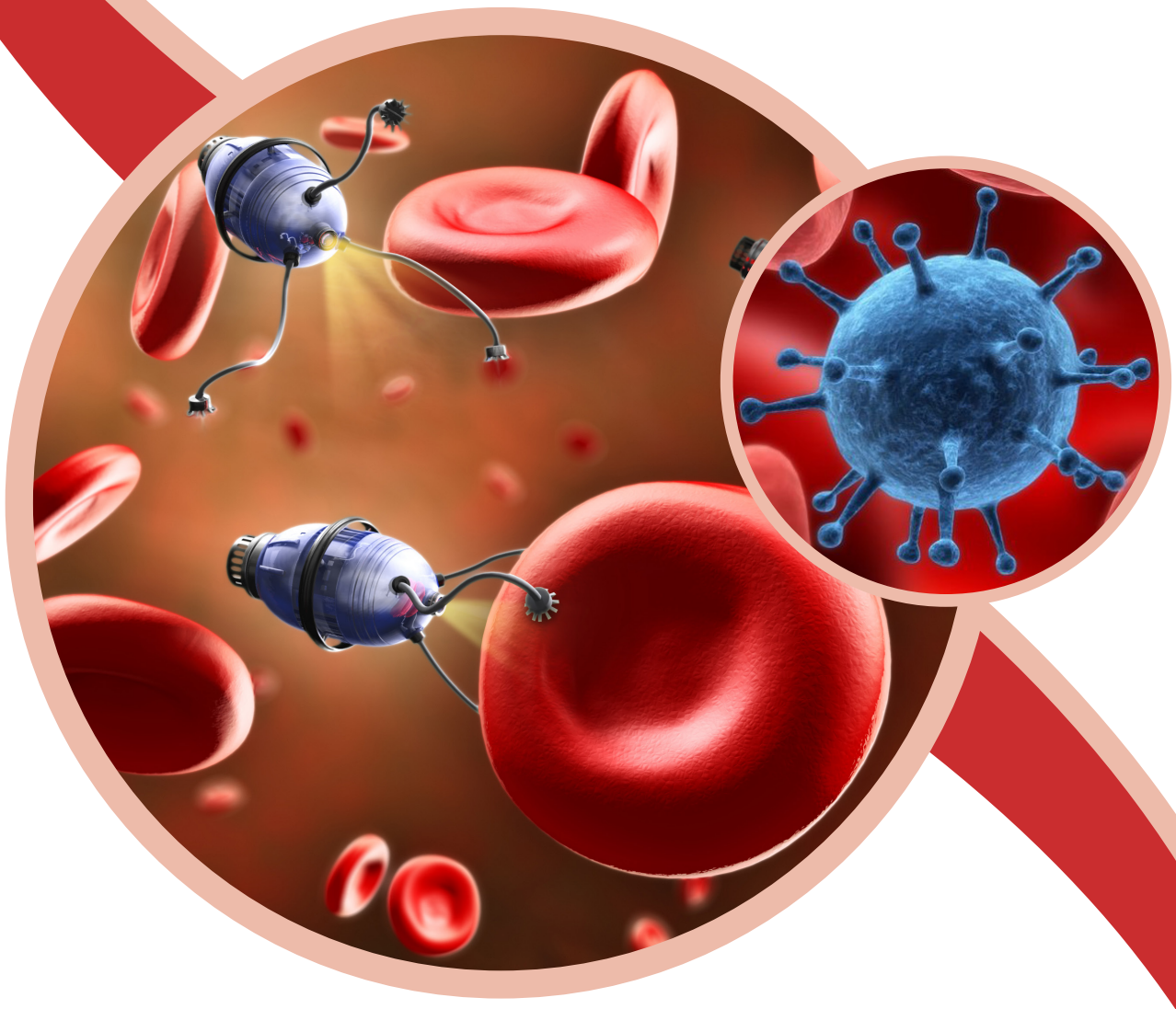
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Scientific Program

16th World

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Registrations

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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

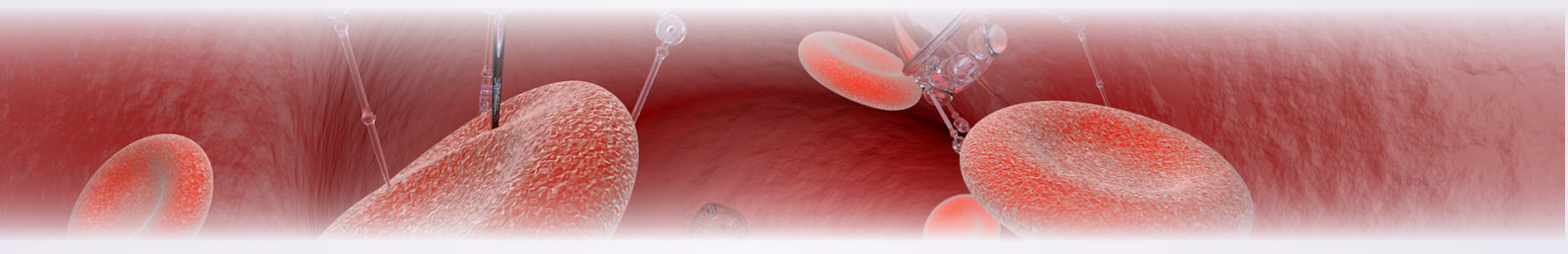
Title: Optical spin injection in atomic monolayers
Norberto Arzate, Centro de Investigaciones en Óptica, Mexico

Poster Presentations

Poster Judge: Yoshinori Sato, Tohoku University, Japan

Panel Discussion

Award & Closing Ceremony



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Scientific Program

11th International Conference and Expo on

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Email: mailto:nanotechnology@conferenceseries.net

Registrations

OLIMPICA

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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

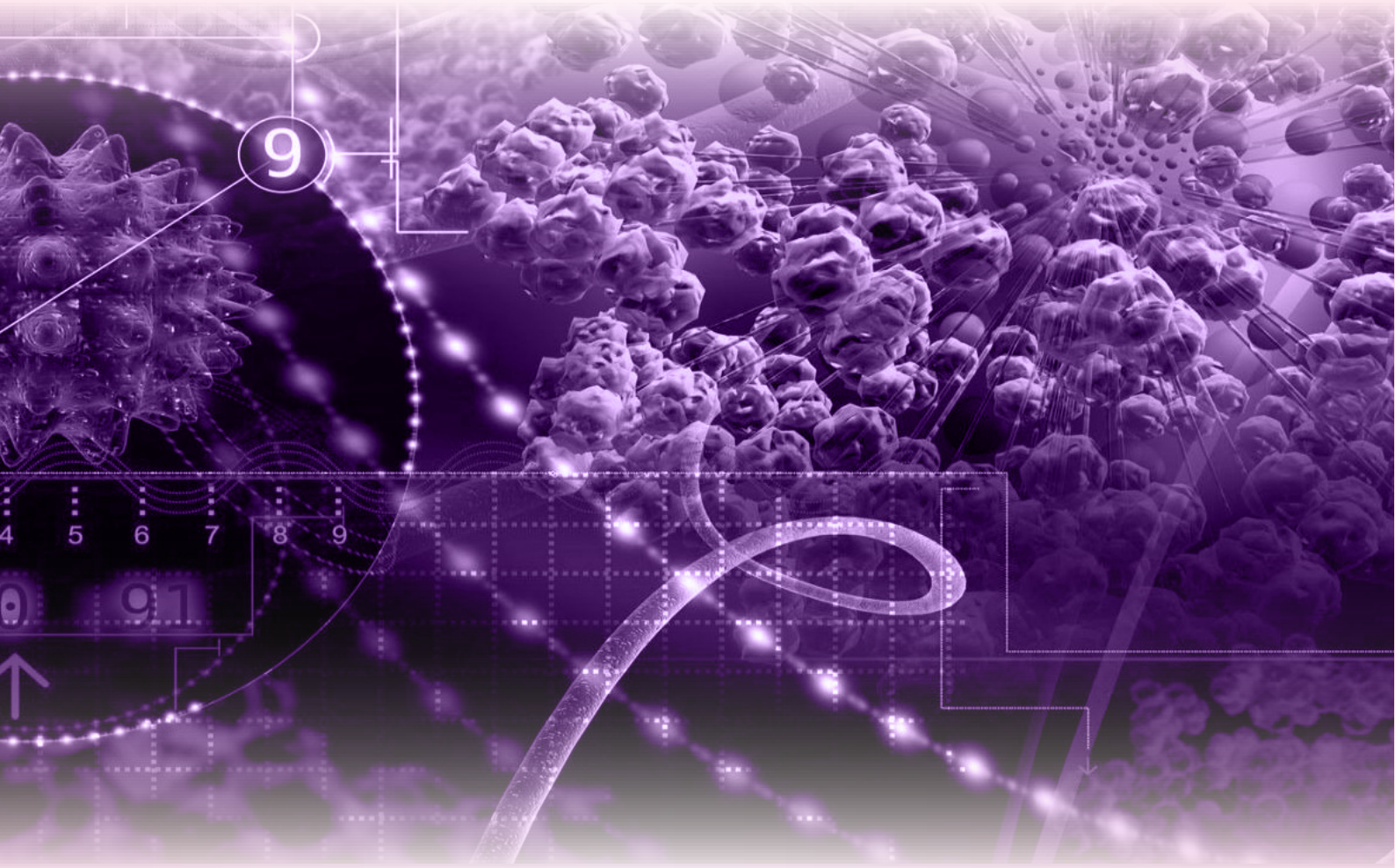
Special Keynote Session

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