

2015 NanoCon ISTC- Korea Workshop Programme

Nanotechnology for deeper understanding of today's challenges

Date : Nov 3, 2015

Venue : Sheraton Grand Walkerhill & W hotels, Great room, 3d floor

HOSTED BY: ROK MSIP (Ministry of Science, ICT and future planning)

ORGANISED BY : ISTC, EurasTech Corp.

SPONSORED BY : National Research Foundation of Korea (NRF)

CONCEPT: NANOCON Seoul is an interdisciplinary international conference that invites academics and independent scholars, researchers and business people from all over the world and CIS to meet and exchange latest ideas and views on nanotechnology in a forum encouraging respectful dialogue.

NanoCon serves as an outstanding platform that gathers the relevant communities together, an international forum for researchers and industry practitioners to exchange the latest fundamental advances and in the field of nanotechnology, energy and other. Related experts and scholars will discuss academic issues, seize future development opportunities and exchange the latest researchers and academic thinking. Experts, representatives of business community and policy makers will present the latest innovations and advances on nanotechnology, share the experience and insights and discuss the policy, economics and social implications.

For further information please feel free to contact us via email prmk@eurastech.com

PROGRAMME AT A GLANCE

8.30-9:00	Arrival of guests, registration of participants
9:00-9:15	Opening. Welcoming addresses by NRF, Honorary guests Host: Elizabeth Lee, CEO, Eurastech
9:15-9:40	Keynote speech by Dr. of Sci. Inom Normatov Professor, National University of Tajikistan Nanoparticles Synthesis and applications: "Preparation of Benzene-Stabilized Aluminum Nanoparticles in Hydrogen Atmosphere"
9:40-11:20	<b>Plenary Session 1. Advanced Nanomaterials &amp; Nanometrology</b> Moderator: Paata Kervalishvili  <b>Theme 1: Advanced nanomaterials &amp; devices</b>  *Nanocomposites / Bionanocomposites Materials 9.40-10.00 Lutfidin Tuychiev , Tajik National University, Dushanbe, Tajikistan - "Nanocarbon materials and polymers"  *Nanostructured / nanoporous Materials and devices 10.00-10.20 Gagik Ayvazyan , Ph.D, National Polytechnic University of Armenia (NPUA), Armenia - "Black Silicon: a Nanostructured Layer for Solar Cells"  *Soft Nanotechnology and Colloids 10.20-10.40 Marat Myrzakhmet, PhD, Professor, Eurasian National University, Kazakhstan- "Potassium sulfate nanoparticles in colloid solutions"  *Nanoparticles Synthesis and applications (subtheme) 10.40-11.00 Jang, Boyun, PhD, KIER, Korea - "SiOx nanoparticles for Li-ion battery"  <b>Theme 2. Nanometrology</b> *Super resolution microscopy 11.00-11.20 Surik Khudaverdyan Dr. or Sci., Armenian National Polytechnical University, Armenia 0009 Yerevan - "New possibilities of optical spectroscopy with nanoscale layers"  Venue: W Walkerhill hotel, Great room, 3d floor
11.20-11:35	Coffee break
11:35-13:05	<b>Plenary Session 2. Nanotech for Energy and Environment, Life Sciences &amp; Nano Applications</b> Moderator: Gagik Ayvazyan  <b>Theme 1. Nanotech for Energy and Environment</b> * Nanomaterials for Clean and Sustainable Technology.

	<p>11.35-11.55 Bolot Sadybakasov, PhD, <i>Kyrgyz-Russian Slavonic University, Bishkek, Kyrgyzstan</i> - "Nano-and microscale aerosol over Central Asia and its manifestations"</p> <p>11.55-12.15 Koo, Kee Young, PhD, KIER, Korea "Surface Pretreatment and Catalyst Coating for the Metal Structured Catalyst"</p> <p>*NanoNuclear Materials</p> <p>12.15-12.35 Revaz Melkadze, PhD, Dep. Director of the Institute of Micro- and Nanoelectronics, Tbilisi, Georgia, Head of Department, Tbilisi State University, Georgia - "Nanoheterostructure for X-Ray Sensors"</p> <p>12.35-12.55 Paata Kervalishvili, Dr. of Sci., Professor, Georgian Technical University, Prof. of Tbilisi State University, Georgia - "Nuclear Radiation Nanosensors and Nanosensory Systems".</p> <p>12.55-13.05 Zauresh Dikhanbayeva, Project Officer, ISTC – "ISTC: FRAMEWORK AND ACTIVITY" Venue: <i>W Walkerhill hotel, Great room, 3d floor</i></p>
13:05-14:00	Business Lunch
14:00-14:40	<p><b>Theme 2.</b> Nanomedicine &amp; Nanobiotechnology *Biosensors, Diagnostics and Imaging</p> <p>14.00-14.20 Tamar Berberashvili, PhD, Associate Professor, Georgian Technical University (GTU). - Optical Spectroscopy of Nanobiobjects for Sensory Applications</p> <p><b>Theme3.</b> Nano Applications *Industrial applications of Nanotechnology</p> <p>14.20-14.40 Razmik Tachat Malkhasyan Dr. of Sci., Professor, CJSC Nanoamorph Technology SPE, Armenia President. - "Research on the phase transition of nano-sized amorphous tungsten to crystalline state"</p> <p>Venue: <i>W Walkerhill hotel, Great room, 3d floor</i></p>
14:40-15:00	Summary and conclusions. Q & A. Photo session
17:00-18:30	Cocktail Reception for workshop participants