

Arab Forum-2011

Industrial Applications of Nanotechnology

(27-29) December, 2011

Hilton Dream, Dreamland, City of 6th October

Cairo-Egypt

Agenda

Day 1	
Tuesday, December 27, 2011	
8:00am - 10:00am	Registration and Reception
10:00am - 10:45am	Opening Ceremony
	Mr. Mohamed Ben Youssif, Director of AIDMO
	Prof. Ahmed Khairy, President of E-JUST
	Prof. Mostafa El-Sayed, Georgia Institute of Technology, Atlanta, USA
	Prof. Ahmed Zewail, Nobel Laureate, Caltech, USA
	Former Prime Minister H. E. Prof. Essam Sharaf
	H.E. Dr. Nadia Zakhary, Minister of Scientific Research
	H.E. Dr. Hussein Khalid, Minister of Higher Education
	H.E. Dr. Mahmoud Eisa, Minister of Industry and Foreign Trade
	H.E. Dr. Mahmoud Sabry, State Minister of Military Production
	Dr. Ahmed Bahgat, CEO of NanoTech & BAHGAT Group
10:45am - 11:00am	Coffee Break
Keynote Address, main hall	
11:00am - 11:45am	Nanotechnology: The Big Potential of the Very Small Prof. Mostafa El-Sayed
11:45am - 12:30pm	Science and Future Making Prof. Essam Sharaf



SESSION-1, main Hall	
Potential Application of Nanotechnology	
Chairpersons Prof. Osamu Tabata (Kyoto University), Prof. Lotfia El-Nadai (Cairo University)	
12:30pm-1:00pm	Nanomaterials & Chemicals for Modern Building (CMB) Dr. Kamal Mostafa, Chairman of CMB Group
1:00pm-1:30pm	Fabrication of Nanomaterial Designs for Real Health Care & Environmental Remediation Prof. Sherif El-Safty, National Institute for Materials Science (NIMS), Tsukuba, JAPAN.
1:30pm-2:00pm	Nanomaterials from Laboratory to Factory Prof. Alaa Edris, Misr El Kheir Foundation
2:00pm-2:30pm	Plasmonic Graphene Nanocomposite Dr. Mona Bakr Mohamed, NanoTech & E-JUST
2:30pm-3:30pm	Lunch
Keynote Address, main Hall	
Nanomaterials for PV fabrication	
3:30pm - 4:15pm	An Overview of Solution-based Semiconductor Nanowire Prof. Masaru Kuno, University of Notre Dame, USA.
SESSION-2, main Hall	
Nanomaterials for PV fabrication	
Chairpersons Prof. Sohair Negm (Banha University), Dr. Ahmed Abd El-Moneim (E-EJUST)	
3:30pm - 3:50pm	Application of Nanoparticles and nanoporous structures in solar energy conversion Prof. Waheed Abd Allah Badway, Cairo University, Egypt
3:50pm - 4:10pm	Design and Assembly of 1D Nanostructured Materials for Solar-Driven Water Splitting Dr. Nagah Allam, Engineering and Computer Science Massachusetts Institute of Technology, USA.
4:10pm - 4:30pm	Carbon Nanotube Manufacturing and Investment Opportunities Dr. Mostafa Al Ashry , Egypt Nanotechnology Centre, Egypt
4:30pm - 4:50pm	Potential of Photovoltaic industry in Egypt Prof. Osama Tobail, Egypt Nanotechnology Centre, Egypt
4:50pm - 5:10pm	Nano Materials for Green Energy Prof. Abd El-Hady Kashyot, MuCSAT, Borg Al Arab-City, Alexandria



Day 2	
Wednesday, December 28, 2011	
Keynote Address, main hall	
9:00am -9:45am	<i>Graphene Based Nanocatalysis for Energy and Environmental Applications</i> Prof. M. Samy El-Shall, Virginia Commonwealth University, USA.
SESSION-1, main hall	
Nanomaterials for Biomedical Applications	
Chairpersons	
Prof. Hidetoshi Kotera (Japan), Prof. Abd Allah Molikhia (Pharco Pharmaceuticals Cooperation)	
10:00am - 10:30am	<i>Medicinal Application of Green Tea Extract in Experimental Hepato-Fibrosis Therapy with a Brief Introduction to Chitosan-Green Tea Nanoparticles</i> Prof. Abdel Majeed Safer, Nanoscopy Science Center (NSC), Faculty of Science, Kuwait University, Kuwait
10:30am - 11:00am	<i>Biomedical Applications of Magnetite Nanoparticles</i> Prof. Mamoun Mohamed, Royal Institute of Technology, Stockholm, Sweden.
11:00am -11:30am	<i>Nanomaterials for Gene Delivery</i> Prof. Abdel Rahman Zekri, National Cancer Institute, CU, Egypt
11:30am - 12:00pm	<i>Photodiagnosis and Phototherapy using Nanoparticles</i> Prof. Mahmoud Abdel-Kader, President of GUC
12:00pm -12:15pm	<i>Coffee Break</i>
Keynote Address, main hall	
12:15pm - 1:00pm	<i>Nanomaterials for Thermoelectrical Applications</i> Prof. Mamoun Mohamed, Royal Institute of Technology, Stockholm, Sweden.
SESSION-2, main hall	
Characterization and Identification of Nanomaterials	
Chairpersons	
Prof. Teijiuro Ichimura (E-JUST) and Prof. Samy El Shall (VCU)	
1:00pm - 1:30pm	<i>Nanomaterials for Surface Raman Enhancement</i> Prof. Hassan Talaat, Ain Shams University
1:30pm - 1:45pm	<i>Nano-Materials Characterization in Analytical Electron Microscopy</i> Dr. Tetsuo Oikawa, JEOL, JAPAN.



1:45pm - 2:00pm	A State-of-the-Art Scanning Probe Microscope Dr. Ryohei Kokawa, Shimadzu, JAPAN.
2:00pm - 3:00pm	Lunch
Workshop Textile and Technical Textile	
Keynote Addresses, main hall	
3:00-3:45 pm	Nano-structured Polylactides as High-Performance Bio-based Materials Prof. Yoshiharu Kimura, Director of the Center for Fiber and Textile Science, Kyoto Institute of Technology, Japan
3:45-4:15 pm	Research and Development of Bio-based Polymers in the Center of Fiber and Textile Science, Kyoto Institute of Technology Prof. Hideki Yamane, Center for Fiber and Textile Science, Kyoto Institute of Technology, Japan
4:15-4:30 pm	Coffee Break
SESSION-4 Technical Textile, main hall	
Chairpersons Prof. ALi Hebaish (Egypt), Prof. Ahmed El-Salamwy (Egypt)	
4:30pm - 4:50pm	From Tradional to Technical textile; Opportunities and Challenges Dr. Mohamed Abu Iina, Textile Centre, Ministry of Industry and Foreign Trade, Egypt
4:50pm - 5:10pm	Functional Textiles Prof. Nabil Abd El-Basat, NRC, Egypt
5:10pm - 5:30pm	Applications of Textile Composites Prof. Ibrahim Shady, Mansoura University, Egypt.
5:30pm - 5:50pm	Development and Application of Medical Textile Fogue Miser Cooperation, Egypt.
5:50pm - 6:10pm	New Trends in Technical Textile Applications Dr. Ahmed Hussien, Alexandria University, Egypt.



Day 3	
Thursday, December 29, 2011	
SESSION-1	
Chairperson	
Prof. Ahmed Khairy (President of E-JUST)	
8:30am - 9:30am	<i>Arab Initiative of Nanotechnology</i> Prof. Fathi Ben Shatwan, (AIDMO-Libya)
9:00am - 9:30am	<i>Role of UNESCO in Nanotechnology Education</i> Dr. Nazar Hassan, UNESCO
9:30am - 10:00am	<i>STCE and its role to apply Nanotechnology to develop local industries</i> Prof. Shokry Shokry, Director of STCE
Keynote Address	
10:00am - 10:45am	<i>Nanostructured Materials for Catalytic and Biomedical Applications</i> Prof. Jackie Y. Ying, Institute of Bioengineering and Nanotechnology, Singapore
10:45am - 11:00am	<i>Coffee Break</i>
Workshop	
MEMs and Device Fabrication	
SESSION-2	
Chairpersons	
Prof. Ahmed Abo-Ismael (E-JUST), Prof. Sherif Sedky (AUC)	
11:00am - 11:45am	<i>Integration of Nanostructure with MEMs</i> Prof. Osamu Tabata, Department of Micromechanical Engineering, Kyoto University, Japan
11:45am - 12:30pm	<i>MEMs in biomedical applications</i> Prof. Hidetoshi Kotera, Department of Micromechanical Engineering, Kyoto University, Japan
12:30pm - 1:00pm	<i>Coffee Break</i>
SESSION-3	
Chairpersons	
Prof. Osamu Tabata (Kyoto University) & Prof. Mahmoud Hashem (GUC)	
1:00pm - 1:20pm	<i>MEMs at AUC</i> Prof. Sherif Sedky, Yousef Gamel Centre at AUC



1:20pm - 1:40pm	Microfabrication Creates Microsystems Dr. Ahmed Fath El-Bab, Assuit University & E-JUST
1:40pm - 2:00pm	Microreaction Technology for Photocatalytic Synthesis of High-Value Added Compounds Prof. Yoshihisa Matsushita, Tokyo Institute of Technology & E-JUST
2:00pm - 3:00pm	Lunch
SESSION-4	
Fundamentals and Applications of Nanomaterials	
Chairpersons Prof. M. Ayad (E-JUST), Prof. Mona Abd El-Latif (CSAT)	
3:00pm - 3:20pm	Graphene-Based Electrode for SuperCapacitor Application Dr. Ahmed. Abd El-Moneim, Department of Materials Science and Engineering, E-JUST, Egypt
3:20pm - 3:40pm	Fabrication and Analytical Applications of Silica Nanotubes in Anodic Alumina Membrane Dr. Moataz Mekaway, Department of Materials Science and Engineering, E-JUST
3:40pm - 4:00pm	First-Principles Simulation on Piezoresistivity for Silicon and Silicon Carbide Nanostructures Dr. Koichi Nakamura, Department of Materials Science and Engineering, E-JUST
4:00pm - 4:20pm	Application of nanotechnology in polymer processing Prof. Abass Ezzat, Chemical and Petrochemical Department, E-JUST, Egypt.
Closing Session	
Prof. Esam Sharaf, Prof. Mostafa El-Sayed, Samy, Prof. Ahmed Khairy, Prof. Samy El-Shall & Dr. Nezar Hasan	

