

Congress Program

Tuesday, 28 October 2008 (7 Aban 1387)

8:45-10:45: Opening Ceremony, Leisure Complex of Petrochemical Company

10:45-11:05: Coffee break

11:05 – 11:50: Keynote speech 1: Kurt E. Geckeler

Supramolecular Nanomaterials: From Design to Reality

Gwangju Institute of Science and Engineering, Gwangju, South-Korea

11:50 – 12:35: Keynote speech 2: D. A. Kuznetsov

Porphylleren-MC16: A New Type of the Fullerene-Based Medicinal Nanoparticles to treat the Nitochindrial Dysfunction Sybdrome in Myocardium

Russian Academy of Sciences, Moscow, Russia

12:35-14:30: Lunch Break and Praying

Oral presentations, Session 1, Faculty of Chemistry

	Hall A, Topic 8	Hall B Topic 2	Hall C Topic 3	Hall D Topic 9	Hall E Topic 4	Hall F Topic 1
14:30 – 15:10	<p>Keynote 3: Sh. Mohajerzadeh Array of Carbon Nanotubes on Silicone Bases Suitable for Electronic Applications University of Tehran, Tehran, Iran</p>	<p>Keynote 4: R. Dinarvand Albumin – Docetaxel Conjugate Nanoparticles: “Preparation, Characterization and Biodistribution” Tehran University of Medical Sciences, Tehran, Iran</p>	<p>Keynote 5: Afsaneh Safavi Novel Electrochemical Deposition of Nanowires and Nanoparticles and their Electroanalytical Application University of Shiraz, Shiraz, Iran</p>	<p>Keynote 6: R. Naghdabadi Nanostructured Modeling: Continuum and Structural Approaches Sharif University of Technology, Tehran</p>	<p>Keynote 7: Farrokh J. Sharifi Miniature Robots- From Micro to Nano Robotics Ryerson University, Toronto, Ontario, Canada</p>	<p>Keynote 8: Soudabeh Davaran Smart Polymeric Nanoparticles in Drug Delivery Systems Tabriz University of Medical Sciences</p>
15:10-15:30		<p>O-2: A Nanoparticle-based Solid-phase Extraction Followed by Flow Injection ICP-OES to Determine some Heavy Metal Ions in Water Samples M. Faraji, Y. Yamini, M. Hojjati, A. Saleh, M. Ghambarian, R. Hassani Tarbiat Modares University, Tehran</p>	<p>O-31: Effects of Nanoclay, Nanoalumina and Nanocopper on the Properties of NBR Compounds M. Faghihi, A. Shojaei* Sharif University of Technology, Tehran</p>	<p>O-1: 3D XPS Imaging of Surface Nano-structures; A New Technique S. Hajati* and S. Tougaard University of Southern Denmark, Odense, Denmark</p>		<p>O-87: Novel Method for Uni-size Magnetic Nanoparticle Preparation and Their Efficient Modification for Bio/Chemical Separation P. Ashtari, K. Wang , X. X. He, K. Ashtari, M. Ghannadi Nuclear Science and Technology Research Institute, Tehran</p>

15:30 – 15:50	<p>O-44: Evaluation of Residual Solvents in a poly (D,L-Lactide-Co-Glycolide) Nanoparticles Prepared by an Oil in Oil Emulsion / Solvent Evaporation Technique H. Mahdavi, H. Mirzadeh, A. Khorasani, A. Jamshidi, M. Najafi, H. Hamishehkar, Z. Kermani, A. Alinejad Iran Polymer & Petrochemical Institute, Tehran</p>	<p>O-29: Effect of Nanoparticulate Boehmite Sol in γ-Alumina Coating on a Metal Surface as a Catalyst Support for Micro Channel Reactors Ali Fazeli, Yaddollah Mortazavi, Abbas-Ali Khodadadi University of Tehran, Tehran</p>	<p>O-24: Effect of Adding Hydrophobic Nano-Silica on Electrochemical Properties of an Acrylic-Based Polyurethane Clear Coat Hamed Dastmalchian, Siamak Moradian, Mehdi Jalili, Seyed Mojtaba Mirabedini Amirkabir University of Technology, Tehran</p>	<p>O-43: Establishment of A National Center For Sustainable Nanobiotechnology G.A. Mansoori, A. Ahmadpour*, T. Rohani, Bastami, Z. Eshaghi University of Illinois, Chicago, IL USA</p>	<p>O-12: Application of Carbon Nanotube as Capacitive Sensor M. Ozmaian, R. Naghdabadi Sharif University of Technology, Tehran</p>	<p>O-14: Application of nanoparticles to show role of Nonstructural (NS1) protein of infected chicken by avian influenza (AI) virus T.Emami, R.Madani, S.M.Rezayat, F.Golchinfar, S.Sarkar Razi Vaccine and Serum Research Institute, Tehran</p>
15:50 – 16:10	<p>O-13: Application of electromagnetic levitational gas condensation method for the synthesis of Aluminum Nanoparticles A. Kermanpur, M.R. Dadfar, B. Nekooei Rizi Isfahan University of Technology, Isfahan</p>	<p>O-8: An Advanced Thermo-mechanical Process to Obtain Nano/Submicron Grain Sizes in A Metastable Austenitic Stainless Steel A. Hedayati, F. Forouzan, A. Najafizadeh, A. Kermanpur Isfahan University of Technology, Isfahan</p>	<p>O-25: Effect of Clay Modifier on Physical Mechanical Properties of Butyl- Clay Nanocomposites Ali Samadi, Mehdi Razzaghi Kashani Tarbiat Modares University, Tehran</p>	<p>O-6: A New Net list Generator for Simulation of High Performance Nano-Scale Interconnects Manouchehr Ghahramanian Golzar, Nasser Masoumi, Ahmad Atghiaee Iran University of Science and Technology, Tehran</p>	<p>O-20: CdS Nanorods Synthesize by Solvothermal and Hydrothermal Method S. Aisyah Shamsudin, Morteza Sasaki Ghamsari, Shahidan Radiman University Kebangsaan Malaysia (UKM), Bangi, Selangor, Malaysia</p>	<p>O-55: Gold nanoparticle probes for the detection of Salmonella spp. in biological samples M. Majdinasab, M. Aminlari, M. H. Sheikhi, M. Niakousari, SH. Shekarforoosh University of Shiraz, Shiraz</p>
16:10 – 16:30	<p>O-30: Effect of Position of Substrate in Morphology of ZnO Nanowires Grown via VLS Mechanism M.H. Yousefi, M. Savarian, A.A. Khosravi, H.Saghafi far Malek Ashtar University of Technology, Shahin Shahr</p>	<p>O-5: A New Method Based on Matrix-Assisted for Synthesis of ZnO Nanoparticles Aghdas Heidari, Habibollah Younesi, Zahra Mehraban, Ali Akbar Zinatizadeh Tarbiat Modares University, Noor</p>	<p>O-10: Anhydride/acid containing copolymers & organo-silicate nanocomposites</p>	<p>O-21: Computer Simulation of Lennard-Jones Fluid's Viscosity Using Molecular Dynamics Method at Nano Scale System A. Keshtgar, N. Fatouraei, A. Pashaei Amirkabir University of Technology, Tehran</p>	<p>O-39: Electron transmission probability across a disordered nanoribbon grapheme A. Daemi, A. A. Kordbacheh University of Guilan, Rasht</p>	<p>O-59: Hydrodynamic Interactions between Two Nano Swimmers M. Farzin, A. Najafi University of Zanjan, Zanjan</p>

16:30-16:50: Coffee break

16:50-19:00: Poster presentations, Session I

Wednesday, 29 October 2008 (8 Aban 1387)

Oral presentations, Session 2

	Hall A Topic 8	Hall B Topic 2	Hall C Topic 3	Hall D Topic 9	Hall E Topic 4	Hall F Topic 1
8:20 – 9:00	<p>Keynote 9: Behzad Soltani Challenges in Higher Education Research Technology, a Review and Future Trends (involving Nanotechnology) University of Kashan,</p>	<p>Keynote 10: A. Irajzad Gasochromic Properties of Nanostructured Tungsten Oxide Films Sharif University of Technology</p>	<p>Keynote 11: Shadpour Mallakpour Optically Active Polymers Toward Nanotechnology Isfahan University of Technology, Isfahan</p>	<p>Keynote 12: A. Asgari Indirect Excitons in III-Nitride Semiconductor Nanostructures University of Tabriz, Tabriz, Iran</p>	<p>Keynote 13: M. Z. Abdin Agri-NanoBiotechnology Current Status and Future Prospects University of New Delhi, New Delhi, India</p>	<p>Keynote 14: Amarnath Maitra Nanomedicines: Future Therapeutic Agents University of Delhi, Delhi, India</p>
9:00 – 9:20	<p>O-48: Fabrication of Diffraction Gratings on Aluminum Thin Film Specimens using Focused Ion Beam (FIB) A. Tajik, H. Jahed University of Waterloo, Ontario, Canada</p>	<p>O-70: Investigation of Amphiphilic Properties of Various Generations of Synthesized Carbosiloxane Nanostructure Denderimers S. Jafarirad, H. Ahmadi, Y. Toomari, Dideban, K. and H. Namazi University of Tabriz, Tabriz</p>	<p>O-26: Effect of compatibilizer and clay content on microstructure development of LDPE-base nanocomposite M.H. Abdorrasouli, E. Behzafar, H. Nazokdast University of Amirkabir, Tehran</p>	<p>O-28: Effect of Metallic Ultra Thin Film Lubricant on Nanomanipulation Process: A Planar Computational Study S.H. Mahboobi*, A. Meghdari, N. Jalili, F. Amiri Sharif University of Technology, Tehran</p>	<p>O-58: High performance asymmetric supercapacitor from manganese oxide carbon nanotube based composite electrode Meisam Valizadeh K., Suhhairi Abd Sata, Surani Buniran, Sharif Hjssein, Sharif Zein Universiti Sains Malaysia, Puala Pinang, Malaysia</p>	<p>O-74: Magneto-liposome Nanoparticles Fabrication Using Soybean Lecithin for Protein Separation H. Ehtesabi, A. Zolfaghari, G. Amoabediny, J. Malakutikhah University of Tehran, Tehran</p>
9:20 – 9:40	<p>O-75: Main-Chain N-Heterocyclic Carbene Palladium Polymers as Highly Stable and Recyclable Self-Supported Nanoreactors in the Suzuki – Miyaura Coupling of Aryl Chlorides in Water B. Karimi*, P. Fadavi Akhavan Institute for Advanced Studies in Basic Sciences (IASBS), GavaZang, Zanjan</p>	<p>O-38: Electrodeposition of Gold Nanowires in PC Template L. Soleimani*, A. Dolati, M. Ghorbani Sharif University of Technology, Tehran</p>	<p>O-27: Effect of Drawing and Texturing on Physical Properties of Silver/Zinc Nanocomposite Continuous Multi Filament Yarns Roya Dastjerdi*, M. R. M. Mojtahedi and A. M. Shoshtari Amirkabir University of Technology (Tehran Polytechnic), Tehran</p>	<p>O-3: A New Approach for the Relationship Between the Yield Strength of Nanocrystalline Materials and Grain Size A. Shafiei M* and P. Abachi Sharif University of Technology, Tehran</p>	<p>O-41: Energy levels of GaN Quantum Dots in Finite spin orbit coupling A. Asgari, H. Eynollahzadeh, University of Tabriz, Tabriz</p>	<p>O-109: Production and Characterization of Microbiologically Active Nanocomposite Continuous Filament Yarns Roya Dastjerdi*, M. R. M. Mojtahedi and A. M. Shoshtari Amirkabir University of Technology (Tehran Polytechnic), Tehran</p>

9:40 – 10:00	<p>O-84: New CdS/organic composite volcano-like nanowire: characterization, thermal stability and photoluminescence Masoud Salavati-Niasari, Mohammad Reza Loghman-Estarki, Fateme Davar University of Kashan, Kashan</p>	<p>O-50: Fatigue behavior and grindability evaluation of conventional and nanostructured plasm sprayed Al₂O₃-13% TiO₂ coatings M. Ramazani, J. Khalil-Allafi, R. Mozaffarinia Sharif University of Technology, Tehran</p>	<p>O-23: Direct Yarn Formation from Electro-Spun CNT/PAN Composite Nano-Fiber M. Yousefzadeh, M. Latifi, M. Amani, N. Jalili Materials and Energy Amir Kabir University of Technology, Tehran</p>	<p>O-52: Finite element modeling of single-walled carbon nanotubes A.R. Setoodeh *, S. Safarian Ferdowsi University of Mashhad, Mashhad</p>	<p>O-68: Interconnect Optimization Techniques for Low Power, High Performance Circuits F. Hasani*, N. Masoumi, M. Fathipour Tehran University, Tehran</p>	<p>O-114: Reverse Micelle Synthesis of Iron-Gold Core-Shell (Fe@Au) Nanoparticles Functionalized with Polyglycidol for Drug Delivery Application T. Jafari and A. Simchi* Sharif University of Technology, Tehran</p>
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10:00-10:20: Coffee break

Oral presentations, Session 3

	Hall A Topic 8	Hall B Topic 2	Hall C Topic 3	Hall D Topic 9	Hall E Topic 4	Hall F Topic 1, 12
10:20 – 10:40	<p>O-119: Supported Pd-Complex on a Nanostructure Ordered Mesoporous Silica SBA-15 : An Efficient Catalyst for Heck Reaction B. Karimi*, S. Abedi Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan</p>	<p>O-57: Growth of ZnO nanowires on SiO₂ thin films containing Au nanoparticles P. Sangpour, A.Z. Moshfegh* Sharif University of Technology, Tehran</p>	<p>O-99: Effect of polyaniline-Montmorillonite nano-composite coatings on the corrosion performance of Epoxy coating on Al 5000 series alloy M. G. Hosseini*, M. Jafari, R. F. Alamdari, R. Najjar, M.Raghibi University of Tabriz, Tabriz</p>	<p>O-77: Mechanics of C60 in Armchair Nanotubes B.Sajadi, R.Naghdabadi Sharif University of Technology, Tehran</p>	<p>O-42: Energy Relaxation Rate of Hot Electrons by Acoustics and Optical Phonons in AlGaIn/GaN Quantum Wells A. Asgari, S. Babanezhad University of Tabriz, Tabriz</p>	<p>O-115: Size-based Optimization of P53 gene-loaded Chitosan Nanoparticles Mehrdad Hamidi, Payam Peymani*, Ali-Mohammad Tamaddon, Mohammad Ali Shahbazi, Mansoureh Jaberipour Shiraz University of Medical Sciences, Shiraz</p>
10:40 – 11:00	<p>O-124: Synthesis and stability of colloidal silver nanoparticles prepared by arc discharge in DI water A. A. Ashkarran, A. Irajizad*, M. M. Ahadian, M. R. Hormozi nezhad Sharif University of Technology, Tehran</p>	<p>O-53: Formation Mechanism of Barium Hexaferrite Nanoparticles Synthesized by Co-precipitation Method using Ethanol M. Montazeri-Pour, A. Ataie* Tehran University, Tehran</p>	<p>O-148: Nd³⁺ doped on TiO₂ Nano-sized fiber prepared by sol-Gel Technique for Laser Active Medium Fadhil A. Rasin*, Adnan Saleh and Majid Ali University of Babylon, Baghdad, Iraq</p>	<p>O-67: Interaction of Amino Acids with Gold and Silver Clusters A.H. Pakiari*, Z. Jamshidi Shiraz University, Shiraz</p>	<p>O-85: Nonlinear Optical Properties of Ag Nano-Particles M.H.Majles Ara, Z. Dehghani, E. Saievar Iranizad Tarbiat Moallem University, Tehran</p>	<p>O-17: Bioavailability enhancement of encapsulation by using Lyposomal nanospheres Roshanak Akbarpour Orange County Immune Institute, Huntington Beach, CA, USA</p>

11:00 – 11:20	<p>O-104: Preparation of Alumina Nanofibers by Electrospinning A. Amirshaghghi, M. Kokabi, H. Keschtkar Tarbiat Modares University, Tehran</p>	<p>O-61: Hydrothermal synthesis and characterization of α-MnO₂ nanostructures F.Hashemzadeh*, M.M.Kashani motlagh, A.Maghsoudipour Iran University of Science and Technology, Tehran</p>	<p>O-35: Electrocatalytic Oxidation of Ascorbic Acid at Polypyrrole Nanowire-Platinum Nanocluster Modified Glassy Carbon Electrode Maryam Saremi*, Seyed Mohammad Reza Milani Hoseini, Mostafa Najafi, Maryam Bagtash Iran University of Science and Technology, Tehran</p>	<p>O-80: Molecular dynamics simulation of single walled-carbon nanotubes (SWCNTs) using GROMACS: Comparison of water models Anahita Kyani, Armin Madadkar Sobhani, Bahram Goliaei University of Tehran, Tehran</p>	<p>O-95: Performance Analysis of Microchannel Heat Sink Using Nanofluids in Laminar Flow Regime and its simulation using Artificial Neural Network M. Ghazvini*, H. Shokouhmand, J. Shabanian, E. Rasouli University of Tehran, Tehran</p>	<p>O-15: Application of nanosized liquid vehicles in enhancing solubilization of active molecules with health value Mehrdad Niakousari* – Marjan Majdi Nasab – Sanaz Roushanzadeh Shiraz University, Shiraz</p>
11:20 – 11:40	<p>O-110: Properties and Catalytic Activity of Nano-sized ZSM-5 in Thiophene Removing M. Khatamian*, S. Shoar Tarbiat Modares University, Tehran</p>	<p>O-64: In Vitro Bioactivity Evaluation of Flourapatite Nanopowder E. Mohammadi Zahrani*, M. H. Fathi Isfahan University of Technology, Isfahan</p>	<p>O-37: Electrodeposited Silver Nanoparticles on Carbon Ionic Liquid Electrode for the Electro-Analytical Detection of Hydrogen Peroxide A. Safavi*, N. Maleki, E. Farjami Shiraz University, Shiraz</p>	<p>O-91: On the Modeling of Impedance Response of Nanostructured Metal Oxide Supercapacitor Hossein Farsi*, Fereydoon Gobal, Michael H. Eikerling University of Birjand, Birjand</p>	<p>O-89: Numerical simulation of unsteady mixed convection in a driven cavity using an externally excited sliding side wall utilizing nanofluids A.Karimi Pour*, A.R. Hossein Nezhad, A. Behzadmehr, S.Alikhani, E.Abedini University of Sistan and Baluchestan, Zahedan</p>	<p>O-136: The Effect Of Pretreatment on Conductivity and nanoporous morphology of Polypyrrole Coated Polyester/Lycra Fabric M.Rashidi, V.Mottaghitlab*, M.Saberi, O. Emamgholipoor, A.K.Haghi University of Guilan, Rasht</p>
11:40 -12:00	<p>O-122: Synthesis and characterization of Pt/CC nanoparticle electrocatalyst for direct Methanol fuel cell H. Razmi, B. Habibi-A, Es. Habibi Azarbaijan University of Tarbiat Moallem, Tabriz</p>	<p>O-63: Improving the Lead Acid battery life by conducting polymer nano layer M. S. Rahmanifar*, S. M. Mousavi, B. Cheragi, S. H. Shekofte Shahed University, Tehran</p>	<p>O-40: Electrophysical properties of sonochemically prepared CdSe/PVA nanocomposites Yashar Azizian, M.B.Muradov, R.K.Mamedov, R.H. Hajimamedov, U.R. Hasanov Baku State University, Baku, Azerbaijan</p>	<p>O-144: Unsteady 3-D Nanoscale Heat Transfer across a Thin Film Due to a Moving Heat Source E. Khalili, A. Raisi Research Department, Esfahan Ammunition Company, Esfahan</p>	<p>O-90: Numerical study of the electronic conduction of double-stranded DNA Molecule: a Fibonacci model S.A. Ketabi* and H. Feili Khoozestani University of Basic Science, Damghan</p>	<p>O-18: Biologically Inspired Neural Networks and Dynamic Learning onto CMOS/nanowire/MOLecular (CMOL) Architecture Ahmad Afifi*, Ahmad Ayatollahi, Farshid Raissi Iran University of Science & Technology, Tehran</p>

12:00-14:00: Lunch Break and Praying

Oral presentations, Session 4

	Hall A Topic 8, 6	Hall B Topic 2	Hall C Topic 3	Hall D Topic 9, 10	Hall E Topic 4, 5	Hall F Topic 12, 3
14:00 – 14:20	<p>O-16: Application of Polyethylene Glycol Modified Quartz Crystal nanobalance in Conjunction with Principal Component Analysis for Identification of Volatile Organic Compounds A. Mirmohseni, M.A. Razzaghi, R. Pourata, M. Rastgoeye, S. Zavareh University of Tabriz, Tabriz</p>	<p>O-147: Nanocarbon - Metal Complexes of Fullerenes and nanotubes: Synthetic, Stereochemical and Catalytic Study Viatcheslav I., Sokolov Nesmeyanov Institute of Organoelement Comounds, Russia Academy of Sciences , Moscow, Russia</p>	<p>O-51: Fatigue fracture of nano-alumina reinforced copper matrix nanocomposite Hamed Simchi and A. Simchi Sharif University of Technology, Tehran</p>	<p>O-9: An Enhanced Accuracy Modeling Method for Global Interconnects in Nanoscale Technology FPGAs Davood Fathi and Nasser Masoumi University of Tehran, Tehran</p>	<p>O-145: PLGA-based nanoparticles for oral insulin delivery: synthesis and in-vitro evaluations Soudabeh Davaran¹, Mohammad R. Rashidi, Roya Salehi, Sohrab Ghyasvand, Mortaza Ghandadi, Shiva Kahnmoee Tabriz University of Medical Sciences</p>	<p>O-94: PEG Affects on the Prepared TiO₂ Nanocrystals Sapizah Rahim, M. Sasani Ghamsari, S. Radiman University Kebangsaan Malaysia (UKM), Selangor, Malaysia</p>
14:20 – 14:40	<p>O-123: Synthesis and optical & electrical investigation of Cd1-xS_{Fex} semiconductors quantum dots M. H. Yousefi, S. M. Taheri , A. A. Khosravi Malek-Ashtar University of Technology, Tehran</p>	<p>O-76: Mechanical properties of ultrafine-grained pure aluminum by ECAP M.H.Tahmasebi*, M.Meratian, M.R.Toroghinejad, M.Shayan Isfahan University of Technology, Isfahan</p>	<p>O-66: In-situ Polymerization of Polypropylene Clay Nanocomposites in Slurry Phase Reactor A. Ramazani S.A.*, F. Tavakolzadeh, H. Baniyasi Sharif University of Technology, Tehran</p>	<p>O-69: Introduction of New Class of Nano-Catalysts for Direct Alcohol Fuel Cells M.zhiani, H. Gasteiger, X. Ren, S. Catanorchi, M. Piana, A. Tampucci , P. Bert, C. Bianchini, F. Ceconi ICCOM-CNR, Florence, Italy</p>	<p>O-137: The effect of vacancy's percent on the energy gap of zigzag single-walled carbon nanotube Faizabadi, Edris; Bagheri, Ali Iran University of Science & Technology, Tehran</p>	<p>O-56: Graphene in an arbitrary potential M. Jafary[*], F. Kheirandish University of Isfahan, Isfahan</p>
14:40 – 15:00	<p>O-128: Synthesis of conducting polymer nanotubes through a nanoporous template N. Arsalani, G. R. Kiani, A. A. Entezami, M. G. Hosseini, K. E. Geckeler University of Tabriz, Tabriz</p>	<p>O-106: Preparation of ZnAl₂O₄ nano Films Via Spray-Coprecipitation method and particle size controlling Abdolali Alemi *,Sima Sedghinia University of Tabriz, Tabriz</p>	<p>O-46: Experimental Investigation on Swelling Behavior, Hardness and Abrasion Resistance of Polyurethane/organoclay Nanocomposites Mehrnaz Joulazadeh, Amir Hosein Navarchian[*], Farhad Sadeghi University of Isfahan, Isfahan</p>		<p>O-4: A New Fullerene-Based 25Mg-Exchanging Nanocationite for Correction of Doxorubicin-Induced ATP Depletion in Rat Myocardocytes S.V. Shetab Boushehri*, S.M. Rezayat, S. Sarkar, D.A. Kuznetsov</p>	<p>O-101: Preparation and Characterization of TiO₂ Nanorods/Nanosheets by Hydrothermal Method An'amt Mohamed Noor, Morteza Sasani Ghamsari, Shahidan Radiman University Kebangsaan Malaysia (UKM), Selangor, Malaysia</p>

15:00 – 15:20	<p>O-143: The Study of Nanofluids Rheological Properties S. Zeinali Heris, M. Khodadadi Yazdi Ferdowsi University Of Mashhad</p>	<p>O-125: Synthesis and Structure Characterization of the Serials $\text{Sm}_2\text{-xBi}_x\text{Sn}_2\text{O}_7$ ($x=0 - 2.0$) Nanocrystals by Hydrothermal Method Abdolali Alemi*, Roghayeh Ebrahimi-Kalan University of Tabriz, Tabriz</p>	<p>O-62: Immobilization of Cyanocobalamin within SBA-1 Mesoporous Silica: An Effective Heterogeneous Catalyst Zahra Karimi, Alireza Mahjoub*, Akram Hosseinian, Simin Janitabar Darzi Tarbiat Modares University, Tehran</p>	<p>O-133: Synthesis of TiO_2 Nanoparticles Doped with Transition Metals via CVS Method and Characterization of Their Photocatalytic Activity N. Khakpash and A. Simchi Sharif University of Technology, Tehran</p>	<p>O-72: Iron Oxide Nanoparticles Conjugated Herceptin as Immunospecific Nanoparticles for Detecting Her2 S. Rasaneh*, H. Rajabi, M. H. Babaei University of Terbiat Modares, Tehran</p>	<p>O-117: Studies on Morphological, Electrical and Thermal Properties of Compatibilized PC/ABS/MWNTs Nanocomposites S. A. Monemian, S. H. Jafari*, H. A. Khonakdar, V. Goodarzi University of Tehran, Tehran</p>
15:20 – 15:40	<p>O-141: TREATMENT Of ZnO NANOWIRES on Si(111) G.Sh. Shmavonyan, S.M. Zendeabad University of Armenia, Yerevan, Armenia</p>	<p>O-78: Modification of acrylic copolymer for production nano fiber adsorbent metal ion compositions M.Tabarzadi*, M.Abdouss, M.Javanbakht, S.A.M.Shoshtary Amirkabir University of Technology, Tehran</p>	<p>O-54: Glass Transition in PMMA-Layered Silicates Nanocomposite Networks Prepared via In-situ Living Radical Photopolymerization N. Taheri Qazvini*, S. Asiaee Sahne University of Tehran, Tehran</p>	<p>O-49: Fast removal and recovery of amaranth by iron oxide magnetic nanoparticles B. Zargar, H. Parham, A. Hatamie University of Shahid Chamran, Ahvaz</p>	<p>O-7: A Novel Drug Delivery System, Based on Carrier Erythrocytes for the Delivery of the Antiepileptic Drug, Sodium Valproate Mehrdad Hamidi*, Soleiman Mohammadi-Samani, Amir Azadi, Pedram Rafiei Shiraz University of Medical Sciences, Shiraz</p>	<p>O-130: Synthesis of $\text{Cu-Al}_2\text{O}_3$ Nano Composite by Thermochemical Method Z. Seyedraoufi*, H. Saghafian, S.G. Shabestari Iran University of Science and Technology, Tehran</p>
15:40 – 16:00	<p>O-116: pectrophotometric Determination of Phenolic Compounds Based On Silver Nanoparticles Surface Plasmon Peak M. Reza Hormozi Nezhad* , R. Kamali Persian Gulf University, Bushehr</p>	<p>O-105: Preparation of Polymeric Nanofibers via in Situ Extrusion Polymerization Using Catalysts in Constrained Geometry V. Karimkhani, V. Haddadi-Asl*, N. Mohammadi, M. Vatankhah Varnoosfaderani, S. M. Ghafeleh Bashi Amirkabir University of Technology, Tehran</p>	<p>O-33: Electric relaxation study in CdSe/PVA nanocomposites by the thermally stimulated discharge technique R.K.Mamedov, Yashar Azizian, M.B.Muradov, M.A.Nuriyev, Q.M.Eyvazova</p>	<p>O-135: Synthesis of ZnO and TiO_2-capped ZnO nanoparticles and characterization of their photocatalytic behavior Aidin Lak, A. Simchi and Z. Ali. Nemati Sharif University of Technology, Tehran</p>	<p>O-108: Preventive effect of 25Mg-PMC16 Nanoparticles on Cytotoxicities of Energy Metabolism Inhibitors in Isolated Lymphocytes of Rat Blood S.V. Shetab Boushehri*, S.Amiri, S.M Rezayat, S. Sarkar, J. Esmaeili, D.A. Kuznetsov University of Medical Sciences, Tehran</p>	<p>O-107: Preparing a novel Nano Catalyst ($\text{Fe-TiO}_2\text{-ZSM-5}$) For Degradation of Yellow-GX M. Khatamian *, B. Divband, S. Hashemian University of Tabriz, Tabriz</p>

16:00-16:20: Coffee break

16:20-19:00: Poster presentations, Session II

Thursday, 30 October 2008 (9 Aban 1387)

Oral presentations, Session 5

	Hall A Topic 6	Hall B Topic 2	Hall C Topic 11	Hall D Topic 7	Hall E Topic 5	Hall F Topic 3
9:00 - 9:40	Keynote 15: SM. Moghimi Nanomedicine: A Personal Perspective University of Copenhagen, Copenhagen, Denmark	Keynote 16: M.R. Hormozi Nezhad Phase Transitions and Nanostructures of Liquid Crystals: Rigid Body Molecular Dynamics Sharif University of Technology, Tehran	Keynote 17: حمیدرضا شاهرودی تجاری سازی فناوری نانو، چالشها و فرصت های پیش رو دانشگاه تربیت مدرس، تهران	Keynote 18: Sulabha Kulkarni Magnetism and Nanoscale University of Pune, Pune, India	Keynote 19: Yadollah Omidi Impact of Microarray Technology in Nanomedicine Tabriz University of Medical Sciences, Tabriz, Iran	Keynote 20: M. A. Ramazanov Structural Modifying of Polypropylene about g- radiation for Reception Nanocomposite PP+CdS Baku State University, Baku, Azerbaijan
9:40 - 10:00	O-60: Hydrogen Sensor Based on Electroless Plating of Palladium on the Porous Silicon Razi Astarai, F. Irajizad, A. Sharif University of Technology, Tehran	O-126: Synthesis and Thermoluminescence of Boron-doped Germanium nanowires M. Zahedifar*, F. Hosseinmardi, L.Eshraghi, B. Ganjipour University of Kashan, Kashan	O-146: Nanofluids: Opportunities, Challenges and Application M. Bagheri ¹ , M. Shariaty- Niassar ^{*1} , H. Bahmanyar S. Ghaniyari Benis University of Tehran	O-73: Magnetic Properties Investigation of Superparamagnetic Co _{0.5} Zn _{0.5} Fe ₂ O ₄ Prepared at Room Temperature S. Manouchehri*, M. H. Yousefi, M. Mozaffari, J. Amighian Malek-Ashtar University of Technology, Shahinshahr- Isfahan	O-81: Myoglobin Detection Using Disposable Electrochemical Immuno- sensor Mir-Hassan moosavy*, Keith Warriner, Subrayal Reddy University of Tabriz, Tabriz	O-45: Expandable Polystyrene-Clay Nanocomposites: Exploiting Water as Blowing Agent N. Taheri Qazvini*, R. Norouziyan, M. Barari University of Tehran, Tehran
10:00 - 10:20	O-92: On the Sensitivity Increasing of a Capacitive Bio Disease Detector Mehdi.Atashparva, Ghader.Rezazadeh, Ali asghar.Keyvani janbahan University of Urmia, Urmia	O-127: Synthesis of Boron Carbide Nanowires and Nanoflakes from Commercially Available B ₄ C Powders M. Jazirehpur*, A. Alizadeh, H.R. Baharvandy, N. Ehsany University of Tehran, Tehran	10:00-10:40 ژاله مجیب شرکتهای فعال در زمینه نانوفناوری در مراکز رشد واحدهای علم و فناوری ایران دفتر پارکها و مراکز رشد علم و فناوری، وزارت علوم، تحقیقات و فناوری، تهران	O-120: Synthesis and characterization of cobalt ferrite (CoFe ₂ O ₄) magnetic nanocrystals using chemical method Masoud Salavati-Niasari, Tahmineh Mahmoudi University of Kashan, Kashan	O-98: Polymer-Lipid Hybrid Nanoparticles (PLN) for the Delivery of Ionic Drugs M.R. Abbaspour*, Yongqiang Li, A.M. Rauth, Xiao Yu Wu Ahwaz Jondishapur University of Medical Science, Ahwaz	O-111: Pt nano-particles decorated poly aniline/platinum/aluminu m electrode and their catalytic activity towards methanol oxidation B. Habibi*, M.H. Pournaghi- Azar, H. Razmi and H. Abdolmohammad-Zadeh Azarbaijan University of Tarbiat Moallem, Tabriz

10:20 – 10:40	<p>O-88: Novel nanobiosensor for detection of DNA hybridization using electrochemical devices J. B. Raoof, E.Hamidi, M.S.Hejazi, R.Ojani Mazandaran University, Babolsar</p>	<p>O-131: Synthesis of hexagonal nanometer-Sized ZnO Nanocrystals by a Simple Method Azadeh madadi, shahram moradi Islamic Azad University, North Tehran Branch, Tehran</p>		<p>O-102: Preparation and comprehensive Characterization of Barium Hexaferrite and Cobalt Ferrite NonoWires Embedded in Mesoporous Silica Matrix (MCM-41) H. R. Emamian*, A. Honarbakhsh- raouf, A. Ataie University of Semnan,</p>	<p>O-83: Nasal Immunization Study by PLGA Nanospheres Encapsulated with Tetanus Toxoid and CPG-ODN S. Abolghasem, Sajadi Tabassi*, Mohsen Tafaghodi, Mahmoud-Reza Jaafari Mashhad University of Medical Sciences</p>	<p>O-103: Preparation and Reactive Sintering of Nano- Crystalline TiO₂-Al Powder S. Alamolhoda*, S. Heshmati-Manesh and A. Ataie University of Tehran, Tehran</p>
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Oral presentations, Session 6

	Hall A Topic 3	Hall B Topic 2	Hall C Topic 3	Hall D Topic 6, 7	Hall E Topic 4	Hall F Topic 3
10:45 – 11:05	<p>O-71: Investigation the Thermal Stability of NR/Organoclay Nanocomposite S. khanlari, M. Kokabi* Tarbiat Modares University, Tehran</p>	<p>O-129: Synthesis of Cu₂O and Cu nanoparticles on multi-wall carbon nanotubes Azam Nasirian*, Mehdi Kashani, Abdolhamid Nasirian Iran University of Science and Technology, Tehran</p>	<p>O-138: The influence of surface chemistry of nano-silica on microstructure properties of the nano-silica containing clear-coats Zahra Ranjbar*, Saeed Rastegar Institute for Colorants, Paint and Coatings, Tehran</p>	<p>O-142: Effect of Heat-Treatment on the GMI Effect and Domain Structure of Amorphous and Nanocrystalline Soft Magnetic Fe₇₂Si_{12.5}B₉Nb₃ Cu₁Al_{1.5}Ge₁ Alloy S. Mirzaei, A. Beitollahi, S. G. Shabestari, F. Shahri Iran University of Science and Technology</p>	<p>O-93: Optimization of Nano-Hydrogel prepared by ionotropic gelation method using a Factorial Design study M. Hamidi, M. A. Shahbazi*, P. Peymani, H. Salehi Shiraz University of Medical Sciences, Shiraz</p>	<p>O-113: Relationship between the rheology and morphology of PE –clay nanocomposites</p>
11:05 – 11:25	<p>O-97: Polydimethyl-siloxane /Ceramic Nanocomposite Hybrid Membrane for Condensable Hydrocarbons Separation E. Jannatduost, A. A. Babaluo*, F. Abbasi, M. Akhfash Ardestani, M. Peyravi - Sahand University of Technology, Tehran</p>	<p>O-139: The Role of Dirac- Electron and Chilarity in Graphene sheets Reza Asgari Institute for Studies in Theoretical Physics and Mathematics, Tehran</p>	<p>O-86: Novel Metal-Polymer Nano-composites as Heat and Pressure Sensitive Materials Majid Kazemian Abyaneh* Shahrood University of Technology, Shahrood</p>	<p>O-132: Synthesis of Novel Fluorescent Imprinted Nanoparticles as Nanobiosensors K. Rostamizadeh*, H. Abdollahi, K. Parsajoo Zanjan University of Medical Science, Zanjan</p>	<p>O-65: In vitro investigation of cisplatin loaded poly butyladipate (PBA) nanoparticles prepared by the double emulsion method. Sepideh Khoei*, Ahmad Sattari, Fatemeh Atyabi University of Tehran, Tehran</p>	<p>O-96: Polyacrylonitrile Membrane: A novel composite polymer nanofiber based on PAN, clay-montmorillonite and SiO₂ nano-materials Zahed shami*, Naser Sharifi- Sanjani University of Tehran, Tehran</p>

11:25-12:40: Lunch and Praying

12:40-13:00: walking towards the Shayan-Mehr Hall

13:00-15:00: Closing Ceremony, including Azery Music in Shayan-Mehr Hall