

# Oral Program

***Tuesday , November 17, 2009 , 9:00-10:30***

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>	<i>presenter</i>	
<b>Chairmen: S.S. Madaeni, M. Rahimi</b>					
<b><i>Session 1</i></b>	<b><i>A</i></b>	<b><i>Transport Phenomena</i></b>	03106	AN IMPROVMENT IN ADSORPTION-TRANSPORT MODEL FOR ANIONS TRANSMISSION THROUGH NANOFILTRATION MEMBERANE: A NEW POROSITY MODEL	S.S. Madaeni
			01216	A Study on Heat Transfer & Flow Friction in a Tube Equipped with Jagged Twisted Tape Insert with 90 Rotation	M. Rahimi
			01163	Comparison of Mixing Characteristic of Bubble Column and Airlift Reactors Using Tracer Injection Technique	M. Zeyghami
			01183	Abatement of Benzyl Alcohol and Methyl Ethyl Ketone (MEK) from Polluted Air over Nano Structure Mn - Supported Alumina Catalyst	F. Aghazadeh
			04256	A Mathematical Pattern Development and Optimization for Experimental Conditions in RESS Process	A.R. Bozorgmanesh
			01167	Empirical Correlation of Tributylphosphate (TBP) Solubility in Supercritical Carbon Dioxide	Sh. Jafar Nejad
<b>Chairmen: F. Rashidi, M. Barikani</b>					
<b><i>Session 2</i></b>	<b><i>B</i></b>	<b><i>Polymer Engineering &amp; Technology</i></b>	11244	Modeling of RAFT Polymerization of Polystyrene by Moment equations	M. Salami-Kalajahi
			11170	Elasticity Analysis for Giesekus Viscoelastic Fluid in Concentric Annulus	F. Rashidi
			11192	Behaviour of Lightweight Expanded Polystyrene Concrete Reinforced with Polypropylene Fibers	A. Sadrmomtazi
			11224	Time-Dependent Hardness of Epoxy/TiO2 Nano Composites	L. Rajabi
			11156	Functional Polymers/Organo-Clay Hybrid Nanocomposites Through Acid/Amine Funtionalized Monomer and Polymer Nanofillers	A. Sepehrianazar
<b>Chairmen: R. Kharrat, C. Ghotbi</b>					
<b><i>Session 3</i></b>	<b><i>C</i></b>	<b><i>Petroleum &amp; Reservoir Engineering</i></b>	12157	Monitoring of Asphaltene Molecular Weight Distribution at Different Conditions of Pressure and CO2 Injection	R. Kharrat
			12259	Deepwater Production: Towards Pipeline Flue Assurance	V. Taghikhani
			12147	Experimental Investigation of Viscosity Reduction for Transportation of Heavy and Extra-Heavy Crude Oils Using Transmission Pipelines	A. Vatani
			12146	Bi-fractal Dimension Description- Inferring Topography Alteration of an Asphaltene Deposited Heterogeneous Surface	J. Sayyad-Amin
			12204	Effect of Nanoclay on Rheological Properties and Storage Stability of SBS Modified Bitumen	S. Sadeghpour
			12180	Parametric Investigation of WAG Injection Process in Naturally Fractured Reservoirs	R. Kharrat
<b>Chairmen: J. Shayegan, J. Saien</b>					
<b><i>Session 4</i></b>	<b><i>D</i></b>	<b><i>Environmental Engineering</i></b>	13163	Production of Renewable Biodiesel	A. Cancela
			13251	Application of Enzymatic Method for Production of Biofuel from Domestic Oily Seed Resources	H.R. Kariminia
			13233	Investigation on Sono-Assisted Photocatalytic Degradation of Styrene-Acrylic Acid Copolymer in Aqueous Media	J. Saien
			13158	Influence of Transient Loading on the Removal of High Concentrations of VOCs in a Biological Air Filter	S.M. Zamir
			13153	Photocatalytic Degradation of Phenol in Two Impinging Streams Reactor	S.J. Royae
			13234	An Investigation on the Effect of Turbulent Model on the CFD Prediction of Particulate Matter Dispersion from a Cement Plant	A. Alizadeh Dakhel

***Tuesday , November 17, 2009 , 11:00-12:30***

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>	<i>presenter</i>	
<b>Chairmen: S. Zeinali Heris, J.S. Moghaddas</b>					
<i>Session 1</i>	<i>A</i>	<i>Transport Phenomena</i>	01202	Liquid Phase Mixing in a Jet Mixed Gas-Liquid System	T. Yousefi Amiri
			01164	Experimental Investigation of Two-Phase Closed Thermosyphon under Magnetic Field Using Nano-Silver/Water Nanofluid	S. Zeinali heris
			17220	Electroactive LixFeyOz materials prepared by steam annealing and electrochemical Li insertion	M. Ghaemi
			01208	Effects of Slip and Marangoni Convection on Single Fuel Droplet Heat-up in the Presence of Thermal Radiation	H. Niazmand
			01186	Heat Transfer in the Reboiler of MEA Stripping Column; Assessment of Predictive Correlations	S.M. Peyghambarzadeh
			01184	Experimental Study on Modified Cascade Solar Still	H. Moghadam
<b>Chairmen: A. Barati, M. Barikani</b>					
<i>Session 2</i>	<i>B</i>	<i>Polymer Engineering &amp; Technology</i>	11198	Swelling/Release Behaviour of Semi-Interpenetrating Network Hydrogels Composed of PVA and Poly(Acrylamide-co-Acrylic Acid)	A. Barati
			11174	Effects of Polymer latex on Concrete/Repair Bond Strength in Harsh Environment	M. Naderi
			11219	Isothermal Cure Kinetics of DGEBA/Amine System in the Presence of Nanosilica Particles	M. Ghaemy
			11147	Physical and Mechanical Properties of Copolyimide Based Fuel Cell Membranes	A. Rabiee
			11241	Synthesis and Characterization of Poly(Aniline-o-Aminophenol) by Chemical Oxidative Method	S.M. Seyed Mohaghegh
<b>Chairmen: A. Vatani, C. Ghotbi</b>					
<i>Session 3</i>	<i>C</i>	<i>Petroleum &amp; Reservoir Engineering</i>	12217	Prediction of Asphaltene Precipitation under Gas Injection Condition Using Thermodynamic Micellization Model	M. Tavakkoli
			12165	Simulation Study of Asphaltene Deposition Due to Natural Depletion in One of the Iranian Fractured Reservoirs	R. Kharrat
			12179	Ultrasonic Waves Effect on Removing Skin from Near Wellbore Region: A Modeling and Experimental Approach	C. Ghotbi
			12142	Water Infiltration in Fractured Porous Media: A New Mathematical Method to Find Saturation Distribution	Sh. Kord
<b>Chairmen: M. Pazouki, M. Shirvani</b>					
<i>Session 4</i>	<i>D</i>	<i>Environmental Engineering</i>	13216	Via Jet-Impingement Dust Removal from Gas Streams	M. Shirvani
			04201	Reducing Gaseous Pllutants Emission in a Network of Refinery Stacks Using Optimal Control Equipments	S. Shafiei
			13166	TiO2-Mediated Photo-Degradation of Fatty Acid Methyl Ester	A. Hosseinnia
			13147	Removal of NMP by Photocatalytic Degradation in a Mixed Reactor	A. R. Zolfaghari
			13228	The Performance of Optimized Vertical-Flow Reed Beds in Ammonium and Organic Matter Removal from Wastewater	A. Koohestanian

**Tuesday , November 17, 2009, 14:00-16:00**

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>	<i>presenter</i>	
<b>Chairmen: Gh.R. Moradi , S.Gh.R. Etemad</b>					
<i>Session 1</i>	<i>A</i>	<i>Transport Phenomena</i>	17123	Production of Bleaching Earth for Decolorizing of Edible Oils	M. Rezaei
			01138	Convective Heat Transfer of TiO <sub>2</sub> /Water Nanofluid in a Shell and Tube Heat Exchanger	H. Farajollahi
			01176	Kinetic Investigation CO <sub>2</sub> Reforming of CH <sub>4</sub> over La–Ni Based Perovskite	Gh.R. Moradi
			01153	Preparation of Nano Pore Faujasite Zeolite Membranes and Their Pervaporation Performance for UDMH Mixtures	M. Kazemi Moghaddam
			01177	Numerical Simulation of Unsteady Turbulent and Laminar Mixed Convection in Rectangular Enclosure with Hot upper Moving Wall by Finite Volume Method	M.R. Safaei
<b>Chairmen: H. Eisazadeh , M. Ghaemy</b>					
<i>Session 2</i>	<i>B</i>	<i>Polymer Engineering &amp; Technology</i>	11199	A New Method for Preparation of Artificial Bone by Using Polymeric Gel	A. Barati
			11186	Effect of SAN-g-EPDM on the Properties of SAN/EPDM Blends via Melt Processing	M. Taheri
			11184	Statistical Analysis Modeling and Optimizing of the Failure Behavior of Tire Tread Compound in Different Sulfure and Accelerator Levels	M. Shiva
			11178	Studing the Effect of Oxidant and Solution Type on The Characteristics of PAN/ PANr Copolymer	H. Eisazadeh
			11213	Synthesis of MDPE-g-GMA and Application as Reactive Compatibilizer in blends of MDPE/PET and MDPE/PA6	M. Masoomi
			11180	Swelling Behavior of Sulfonated Polyacrylamide Nanocomposite Hydrogels in Electrolyte Salt Solutions	J. Aalaei
			11227	Modeling of Particle Growth and Kinetics in Gas Phase Polymerization of Ethylene	Sh. Hakim
<b>Chairmen: S.S. Madaeni</b>					
<i>Session3</i>	<i>C</i>	<i>Separation process</i>	03122	Comparative Study on the Electrochemical and Morphological Properties of Prepared Heterogeneous Cation-Exchange Membranes Based on Polycarbonate & S-Poly Vinyl Chloride with a Commercial Heterogeneous Cation-Exchange Membrane	S.S. Madaeni
			03222	Investigation of Effective Parameters on Internal Filtration in Fischer Tropsch Synthesis	A.A. Rohani
			03174	Investigating the Synergistic Effect of D2EHPA and Cyanex 302 on Zinc and Manganese Separation	F. Rashchi
			03245	Oxidative Desulfurization of a Non-Hydrotreated Kerosene with Hydrogen Peroxide and Formic Acid	M.A. Sobati
			03173	Reductive Leaching of Manganese from Electric Arc Furnace Dust in H <sub>2</sub> SO <sub>4</sub>	F. Rashchi
			03123	Effect of Polymers Blend Ratio Binder on Electrochemical and Morphological Properties of PC/S-PVC Based Heterogeneous Cation-Exchange Membranes	S.S. Madaeni
			03147	Flooding Velocity in Pulsed Sieve Perforated Plate Extraction Columns in without Mass Transfer Systems	F. Ghasempour

**Wednesday , November 18, 2009, 9:00-10:30**

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>	<i>presenter</i>	
<b>Chairmen: J. Behin , J.S. Moghaddas</b>					
<i>Session 1</i>	<b>A</b>	<i>Transport Phenomena</i>	01161	A Novel Mixing Approach in Gas-Liquid Systems	T. Yousefi Amiri
			01146	Oxidative Coupling of Methane: An Experimental and Simulation Study	N. Yaghoubi
			01190	Studies of Migration of Styrene Monomer from Polystyrene Packaging into the Food Simulant	Z. Emam-Djomeh
			01235	Investigation of Mass Transfer Coefficient in Random and Structured Packed Liquid Extraction Columns	A. Rahbar
<b>Chairmen: J. Towfighi , S.M. Alavi</b>					
<i>Session 2</i>	<b>B</b>	<i>Kinetics, Catalysis &amp; Reactor Design</i>	04279	Individual and network feeding policies for the Methane Oxidative Coupling reactors	H. R. Godini
			06152	CO <sub>x</sub> Free Hydrogen Production by Catalytic Decomposition of Methane over Porous Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts	S. M. Alavi
			04143	Process Simulation of Biodiesel Production	A. Cancela
			06155	Effect of Feed Dilution with CO <sub>2</sub> and N <sub>2</sub> on Oxidative Coupling of Methane Over Na-W-Mn/SiO <sub>2</sub> Catalyst at Elevated Pressure	M. T. Sadeghi
			06157	Effect of Type and Concentration of Binder on Selectivity and Attrition Formed Co-Mn Fischer-Tropsch Catalysts	M. Zakeri
			06135	Investigation on the Coke Formation over Ni-CeO <sub>2</sub> /ZrO <sub>2</sub> Catalyst in Dry Reforming Reaction by Thermal Gravimetric Analysis (TGA)	M. Rezaei
<b>Chairmen: Sh. Fatemi , A. Ramazani</b>					
<i>Session 3</i>	<b>C</b>	<i>Nanotechnology</i>	10140	An Experimental Design Study on CO <sub>2</sub> and CH <sub>4</sub> Adsorption Equilibria in MWCNT-OH and Optimal Conditions for Maximum CO <sub>2</sub> Adsorption Against CH <sub>4</sub>	Sh. Fatemi
			10142	An Investigating on Production Copper Foam by Turning Chips via LCS and Reinforced by Cu-Al <sub>2</sub> O <sub>3</sub> Nanocomposites	I. Farahbakhsh
			10214	Electrocatalytic Oxidation of Methanol on Carbon Ceramic Electrode Modified by Platinum Nanoparticles Dispersed into Polyaniline Film	H. Razmi
			10228	Investigation on Enhancement of Forced Convective Heat Transfer Coefficient of MWCNT/Water Nanofluid in Double-Pipe Heat-Exchanger	M.M. Abadi
			09114	Nano Bioactive Glass Based on the CaO-P <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> System; Synthesized by Sol-Gel Method	N. Nabian
<b>Chairmen: M. Pazouki , E. Vasheghani Farahani</b>					
<i>Session 4</i>	<b>D</b>	<i>Bioprocess Engineering &amp; Biotechnology</i>	01237	Biodegradation of Nine Polychlorinated Biphenyls by a Newly Isolated Bacterium, Pseudomonas Aeruginosa TMU56 Obtained from Iranian Contaminated Soil	S.A. Shojaosadati
			08123	Ketoprofen Release from Solid Lipid Nanoparticles of Beeswax and Carnauba Wax	E. Vasheghani Farahani
			08121	Chromatographic Purification and Refolding of an Insoluble Histidine Tag Recombinant Human Interleukin-2 Expressed in E. coli	S. Hashemi Najafabadi
			08136	Effect of Geometrical Parameters on Mixing Characteristics of an Internal Loop Airlift Reactor	A. Ahmadi
			08218	Investigation the effect of redox potential on the enhancement of PHB production by Wautersia eutropha	H. Roohian
<b>Chairmen: V. Taghikhani , A. Haghtalab</b>					
<i>Session 5</i>	<b>E</b>	<i>Thermodynamics</i>	02136	A Modified Patel-Teja Equation of State	A. Haghtalab
			02222	A Method for Multiphase Reactive Equilibrium Calculations	A. Avami

			02140	A New Two-Parameter Cubic Equation of State for Calculation of Phase Behavior of Pure Compounds	H. Mazloumi
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**Wednesday, November 18, 2009, 11:00-12:30**

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>		<i>presenter</i>
<b>Chairmen: Gh.H. Sodeifian , J.S. Moghaddas</b>					
<b>Session 1</b>	<b>A</b>	<b>Transport Phenomena</b>	01207	Non Uniform Sedimentation Effects on Fluid Flow through the Pipes	M. Firouzi
			01212	Investigation of Thermal Behavior a Two-Phase Closed Thermosyphon at Medium Input Heat	M.R. Sarmasti Emami
			04194	Heat Transfer from In-Line Cam Shaped Tube Bank in Cross Flow	A. Mir Abdollah Lavasani
			04154	Experimental Study of Sea Line Pigging in Unsteady State Two-Phase Flow, South Pars Gas Complex, Phases 4&5	M. Davoudi
			04179	Numerical Study of Atomization Processes in Non-Evaporating Hollow-Cone Sprays	M. Shams
<b>Chairmen: Sh. Sharifnia , A. Vatani</b>					
<b>Session 2</b>	<b>B</b>	<b>Kinetics, Catalysis &amp; Reactor Design</b>	06214	Kinetic Modeling of Heterogeneous Oxidative Coupling of Methane by Genetic and Marquardt Algorithms:Mechanistic Aspects	A. Vatani
			01241	Kinetics and Absorption Rate of CO <sub>2</sub> into Partially Carbonated Ammonia Solutions	A. Ghaemi
			06137	Preparation of H-SAPO34 Catalyst, Presentation a Kinetic Model for Conversion of Methanol to Light Olefins and Application of Fluidized Bed Reactors in Olefins Production	N. Fatourehchi
			06166	Development of an Optimized Chemical Kinetic Mechanism for HCCI Combustion of n-Heptane and Natural Gas fuels Mixture Using Genetic Algorithm	R. Khoshbakhti
			06208	Promoted Wire Arc Spray Catalysts by TiO <sub>2</sub> in Partial Oxidation of Methane Reaction	Sh. Sharifnia
			06219	Practical Investigation of Propane Dehydrogenation on Pt/Sn/Alumina Catalyst: A Case Study in Petrochemical Industry	V. Zabihi
			06163	Comparative Study on Catalytic and Non Catalytic Dehydrogenation of Ethane to Ethylene over MN/Na <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> by Oxygen and CO <sub>2</sub> as an Oxidant	A.A. Khodadadi
<b>Chairmen: A. Ramazani</b>					
<b>Session 3</b>	<b>C</b>	<b>Nanotechnology</b>	10135	Nanotechnology: Applications in Heterogeneous Catalysis	M. Rezaie
			10230	Preparation of Polyethylene/SiO <sub>2</sub> Nanocomposite via in Situ Polymerization Method	A. Ramazani Saadat Abadi
			10149	Numerical Study of Forced Convection of Carbon Nanotubes–Water Nanofluids	H. Niazmand
			10211	Optimization of C.I. Basic Yellow 2 removals by Peroxi-Coagulation Process Using Carbon Nanotube-PTFE Cathode with Response Surface Methodology	M. Zarei
			10224	Nano Surface Engineering to Reduce Biofilms Effects	F. Ghorab
<b>Chairmen: S.A. Shojaosadati, S. Hashemi Najafabadi</b>					
<b>Session 4</b>	<b>D</b>	<b>Bioprocess Engineering &amp; Biotechnology</b>	08221	Kinetic Modeling of Biobleaching Process of Iron Removal from Kaolin	M. Pazouki
			08212	Optimization of Purification of Recombinant Exteracellular Xylanase Using Aqueous Two-Phase System	F. Rahimpour
			08223	Removal of H <sub>2</sub> S from Synthetic Waste Gas Streams Using a Biotrickling Filter with Polyurethane Foam as Synthetic Bed	B. Bonakdarpour
			08226	Over-Determined Metabolic Network Model for Metabolic Flux Analysis of Mycophenolic Acid Production by Penicillium Bervicompectum	F. Ardestani
			08213	Optimization of cultural condition to improve recombinant bacteriorhodopsin mutant production in E.coli	S. Hashemi najafabadi
<b>Chairmen: V. Taghikhani</b>					

<i>Session 5</i>	<i>E</i>	<i>Thermodynamics</i>	02123	Improvement of Acetaminophen Solubility in Supercritical Carbon Dioxide Using Menthol cosolvent	J. Karimi Sabet
			02137	On the Application of NRTL-NRF Model for Modeling of Activity Coefficient of Electrolyte Solutions and Solubility of Acid Gases in Alkanolamines	A. Haghtalab
			02239	Thermodynamic Modeling of the High Temperature Shift Converter Reactor Using Minimization of Gibbs Free Energy	H. Zare Aliabadi

**Wednesday, November 18, 2009, 14:00-16:00**

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>		<i>presenter</i>
<b>Chairmen: N. Mostoufi, M. Rahimi</b>					
<i>Session 1</i>	<i>A</i>	<i>CFD</i>	04219	CFD Simulation of Industrial Combustion Using Appropriate Turbulence-Chemistry and Radiation Models	Sh. Shahhosseini
			04169	A Comparison Between the Mixing Characteristics of Visco-Jet and Rushton Turbine Impellers	M. Rahimi
			04178	A Parametric Study on the Formation of a Circular Hydraulic Jump by Volume-of-Fluid Method	M. Khavari
			04108	CFD Analysis of Turbulent Flow Field in an Industrial Suspension Polymerization Reactor	M.H.Vakili
			04172	Experimental Validation of Lagrangian–Eulerian Simulations in Gas-Solid Fluidized Beds	N. Mostoufi
			04254	Lattice Boltzmann Simulation of Air Flow in a Packed Bed of Spherical Zeolit Agglomerates	M. Ashrafizaadeh
<b>Chairmen: J. Towfighi, Sh. Sharifnia</b>					
<i>Session 2</i>	<i>B</i>	<i>Kinetics, Catalysis &amp; Reactor Design</i>	06221	Optimization of Naphtha Steam Cracking Conditions for Production of Light Olefins by Statistical Design of Experiments	J. Towfighi
			06173	Activity of LaMO <sub>3</sub> (M=Mn, Fe, CO, and Ni) Perovskite Catalysts for Oxidation of Exhaust Gas Pollutants of Natural Gas Vehicles	H. Ziaei Azad
			06141	Hydrodesulfurization of Model Naphtha Using NiMo/Al <sub>2</sub> O <sub>3</sub> Nanocatalyst Prepared by Supercritical Deposition	M. Alibouri
			06144	The Kinetics and Mechanisms of Fischer-Tropsch Synthesis on Cobalt Catalyst	H. Atashi
			06209	Studies on the Kinetics of Synthesis Gas Conversion to Methanol and Application of Fluidized Bed Reactors in Methanol Production	J. Royae
			06126	Preparation, Characterization and Evaluation of Cobalt Nanoparticles Hosted on Zeolited Fly Ash Catalyst Utilized for the Fisher-Tropsch Synthesis	F. Fotovat
			06120	Effect of Addition Different Promoters to Pt-Sn-K /Al <sub>2</sub> O <sub>3</sub> Catalyst in the Propane Dehydrogenation	F. Tahiri Zangeneh
			06116	Effect of addition of Al <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> to Cu-ZnO/Na-Mordenite catalyst utilized in hydrogenation of CO <sub>2</sub> to DME	M. Kazemian
			06170	Synthesis and Characterization of ZSM-5 Zeolite and Studies of its Performance for Propene Oligomerization	L. Shirazi
<b>Chairmen: S.H. Hashemipour, Sh. Fatemi</b>					
<i>Session 3</i>	<i>C</i>	<i>Nanotechnology</i>	10181	Synthesis and Size Control of Copper Nanoparticles	H. Hashemipour
			10143	Synthesis of Nanostructured Magnesium Oxide with Polyvinyl Alcohol and Sucrose as Surfactant and Chelating Agent	M. Rezaei
			10212	Synthesis and Characterization of New SnNP CC Nanoparticle Electrocatalyst for Determination of H <sub>2</sub> O <sub>2</sub> and L-Cysteine	E. Habibi
			17182	Synthesis and Characterization of TiO <sub>2</sub> -Derived Nanotubes via Hydrothermal Method	M. Safaei
			10172	Properties of 'In-Situ' Synthesized O-MMT Acrylic Terpolymers for Paint Applications	M. Laghaei
			10122	Thermal Stability and Dynamic Mechanical Properties of Epoxy Nano and Micron TiO <sub>2</sub> Composites	L.Rajabi
<b>Chairmen: D. Rashtchian</b>					

<i>Session 4</i>	<i>D</i>	<i>Chemical Engineering Education</i>	16171	Implementation of Knowledge Pills in Chemical Engineering	A. Cancela
		<i>HSE</i>	14218	Quantitative Risk Assessment to Site CNG Refueling Station	N. Badri

***Thursday, November 19, 2009, 9:00-10:30***

<i>Congress Hall</i>	<i>Subject</i>	<i>Code</i>	<i>Title</i>	<i>presenter</i>	
<b>Chairmen: K. Movagharnejad, M.A. Fanaei</b>					
<i>Session 1</i>	<i>A</i>	<i>Modeling, Simulation &amp; Control</i>	04147	Product Yields Prediction of Tehran Refinery Hydrocracking Unit Using Artificial Neural Networks	M. Shirvani
			04145	Multiobjective Optimization of TAME Production Using Reactive Distillation	A. R. Behrouz Sarand
			04238	Simulation and Experimental Studies of Oxidative Coupling of Methane in a Bench Scale Fixed Bed Reactor using Mn-Na <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> Catalyst	A. Valadkhani
			04165	Non-Linear Control of Baker's Yeas Bioreactor Based on a Kinetic and Mass Transfer Model	A. Shahmohammadi
			04132	Steady State Operability Analysis of DME Fixed-Bed Reactor	M. Farsi
			04266	A Neural Network Multiple Fault Diagnosing Framework Based on Dynamic Characteristics for Tennessee Eastman Plant	Sh. Tayyebi
<b>Chairmen: D. Rashtchian, M.R. Omidkhah</b>					
<i>Session 2</i>	<i>B</i>	<i>Process Engineering</i>	07230	Jet Length and Stability in Liquid-Liquid Extraction System with Low Interfacial Tension	M.R. Omidkhah
			07214	Mathematical Study and Analysis of Humidification-Dehumidification (HD) Desalination with Direct Contact condenser and Comparison between Direct and Indirect Contact Method	M. Amidpour
			07217	Application of Ant Colony Optimization on Process Control; FCC Control Structure	J. Sadeghi
			05210	Coupled Genetic Algorithm-LP Method For Single Contaminant Water Reuse Network Synthesis	S. Shafiei
			07210	A New Approach for Area Targeting in HEN with Variable Heat Transfer Coefficients and Fouling Factor Consideration	M.R. Hojjati
			07146	Purity Decomposition in the Refinery Hydrogen Integration	R. Salary
			07211	The Effect of Asphaltene on Thermal Properties of Bitumen	H. Firouzfard
<b>Chairmen: S. A. Shojaosadati, Z. Emam-Djomeh</b>					

<i>Session 3</i>	<b>C</b>	<i>Biomedical Engineering</i>	09213	Molecular Weight Effect of Methoxypoly (Ethylene Glycol) Activated with Succinimidyl Carbonate on Camouflaging Pancreatic Islets	L. Barani
			09110	Sustained Delivery of Low Mw Drugs from Thermosensitive Chitosan/GP/PLGA Hydrogel	F. Ganji
			09211	Crystallization Behavior of Estradiol in an Acrylic-Based Pressure Sensitive Adhesive Matrix	F. Lahooti Fard
		<i>Food Science &amp; Engineering</i>	15170	Response Surface Methodology for Evaluating the Degradation of Natural Canthaxanthin by Temperature	Z. Emam-Djomeh
			15172	Potential Application of UF PSA Membrane in Degumming of Crude Canola Oil	A. Rafe