

2014 AIChE Annual Meeting
 Atlanta, GA
 Rapid Fire Oral Presentations

Monday, November 17, 2014

MATERIALS ENGINEERING & SCIENCES DIVISION

Time	International A	International B
6:00pm	226ad: Preparation of in Situ Anti-Sticking Supported Catalysts and its Applications in Gas-Phase Polymerization Yuxia Tu, Zhejiang University	228h: Resorcinol Formaldehyde Xerogel Derived Carbon Nanoparticles as Anode Material for Lithium Ion Battery Manohar Kakunuri, Indian Institute of Technology
6:05pm	226ae: "Schizophyllan" a Novel Polymer for EOR in High Salinity , High Temperature Carbonate Reservoirs: Adsorption Characteristics Over Carbonate Minerals Mohamad Shoaib, University of Waterloo	228j: Analysis of Cementitious Materials Reinforced with Fibers Ricardo Augusto Tolosa Correa, Universidad Nacional de Colombia Sede Manizales
6:10pm	226ai: The Phase Composition and Lamellar Morphology of Linear and Branched Polyethylene: Morphology Interpretation of TD-NMR and SAXS Studies over Broad Range of Crystallinity Richard Pokorny, Institute of Chemical Technology Prague	229h: Spinel Decorated Aligned Carbon Nanotube Arrays as Supercapacitor Electrodes Moses Oguntoye, Tulane University
6:15pm	226ak: Solution Copolymerization of Ethylene and Propylene Catalyzed By [O-NS]TiCl₃ Zhi-xian Xiao, Zhejiang University	229l: Performance and Stability of PEM Fuel Cell Catalyst Synthesized Using ALD Alia M. Lubers, University of Colorado at Boulder
6:20pm	226ao: Mathematical Model for Estimation of Heat Insulation Properties of Polymer Foams Richard Pokorny, Institute of Chemical Technology Prague	230e: Biopolymer – Thermally Reduced Graphene Nanocomposites: Structural Characterization and Properties Vikas Mittal, The Petroleum Institute
6:25pm	226ar: Comparison of Monte Carlo and Quasi Monte Carlo Technique in Structure and Relaxing Dynamics of Polymer in Dilute Solution Rajib Mukherjee, VRI-CUSTOM	230u: Investigation of Composition and Processing Parameters on Mechanical Properties of Magadiite/SBR Composites Yating Mao, University of South Carolina
6:30pm	226ay: Understanding Organic Semiconductor Polymorphism Using High Speed in-Situ Optical and X-Ray Diffraction Methods Gaurav Giri, Massachusetts Institute of Technology	226m: Electrical Characterization of Sulfonated Poly(Styrene-Isobutylene-Styrene) Triblock Copolymer Thin Films Martha Roza, University of Puerto Rico
6:35pm	226bb: Polymer-Based Manufacturing of Microscale Fuel Cells Adam S. Hollinger, University of Illinois	226v: Control of Thermal Degradation of Poly(lactic acid) Using Functional Polysilsesquioxane Microspheres As Chain Extenders Ting Han, East China University of Science and Technology
6:40pm	226bj: Confined Crystallization in Biocompatible Polymer Blend Thin Films Giovanni Kelly, Tulane University	226w: Single Molecule Characterization of Dual-Colored DNA Comb Polymers Danielle J. Mai, University of Illinois at Urbana-Champaign

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6:45pm	226bk: Transport Properties of Sulfonated Poly(ether ether ketone) Membranes with Counter-Ion Substitution Maritza Perez Perez, University of Puerto Rico, Mayaguez	226y: Reversible Patterning and Actuation of Hydrogels by Electrically Assisted Ionoprinting Daniel Morales, North Carolina State University
6:50pm	226bq: Structure-Property Relationships of Polyhydroxyurethane and Polyhydroxyurethane/Polyurethane Hybrid Elastomers Emily K. Leitsch, Northwestern University	226z: Fundamentals and Applications of Hydrogel Actuation by Electric Fields Towards Soft Robotic Components Daniel Morales, North Carolina State University
6:55pm	226p: Sorption in Polyolefins: Equilibria, Diffusion and Morphology Juraj Kosek, Institute of Chemical Technology Prague	230l: Micro-Textured Boron Nitride Nanoplatelet Modified Polyethylene Films Ozgun Ozdemir, Clemson University