

## AIChE 2004 Spring National Meeting

April 26-29, 2004

### DOE Open Session Schedule

Date/Time	Presenter	Topic
4/26 – 10:00 AM	Dr. R. Terry K. Baker	Catalytic Materials: Generation of Graphite Nanofibers via the Catalytic Conversion of Methane
4/27 – 8:30 AM	Dr. Steven D. Dietz	TDA Research: Biphasic Hydroformylation of Higher Olefins
4/27 – 9:00 AM	Ron Wroczynski	GE Corporate R&D: Accelerated Characterization of Polymer Properties
4/27 – 9:30 AM	Tony Pavone	Stanford: Economic Impact of Accelerated R&D for Substance Property Estimation
4/27 – 10:00 AM	Ken Nateson	Argonne National Laboratory: Effect of System Pressure and Gas Chemistry on Metal Dusting of Metallic Alloys
4/27 – 10:00 AM	Dr. Matthew Seabaugh	Nextech Materials: Novel Thin-Film Ceria Membrane Materials for Small-Scale Oxygen Generation Systems
4/27 – 10:30 AM	Rakesh Gupta	West Virginia University: Tackifier Dispersions to Make Pressure Sensitive Adhesives
4/27 – 11:00 AM	David Devlin	Los Alamos National Laboratory: Mesoporous Membranes for Olefin Separation
4/27 – 11:30 AM	Bryan Kashiwa	Los Alamos National Laboratory: Simulating Industrial Scale Flows
4/27 – 2:30 PM	Dr. Robert C. Schucker	Trans Ionics Corporation: Transfining TM – A Novel Approach to Low Sulfur Fuels
4/27 – 4:00 PM	Randy John	Shell Global Solutions: Energy Saving for Ethylene and Other Petrochemical Processes by Management of Equipment Corrosion and Coke Deposition
4/28 – 8:30 AM	Dr. Michael C.J. Bradford	CeraMem: Two-Step Methane Conversion to Alkynes and Dianes
4/28 – 8:30 AM	Jeff Amelse	BP Chemicals: A Wei-Prater Kinetic Model for Xylene Isomerization over the BP-Amoco HSDE Catalyst
4/28 – 8:30 AM	Bruce Eldridge	University of Texas: Advanced Hydraulic and Mass Transfer Models for Distillation Column Optimization and Design
4/28 – 9:30 AM	Dr. Hans Wijmans	Membrane Technology and Research: Novel Membranes and Membranes Processes for Industrial Separation, Part 1
4/28 – 10:00 AM	Mr. Mitrajit Mukherjee	Exelus: Ultra-Clean Gasoline Technology for the 21 <sup>st</sup> Century
4/28 – 10:30 AM	Yaroslav Chudnovsky/Harry Kurek	Gas Technology Institute: Vortex Heat Transfer Enhancement for Waste Heat Recovery in Chemical Industry Process Heaters
4/28 – 10:30 AM	J. D. Tate	Dow Chemical Company: Development of In Situ Analysis for the Chemical Industry
4/28 – 11:00 AM	Dr. Jolanta I. Rosemeier	Brimrose Corporation: Measuring Optimal Properties of Polymers with Acoustic-Optic Tunable Filter Based Near Infrared Sepctopolarimeter
4/28 – 1:30 AM	Adeniyi Lawal	Stevens Institute: Microchannel Reactor Systems for On-Site H <sub>2</sub> O <sub>2</sub> Production by Controlled H <sub>2</sub> /O <sub>2</sub> Reaction
4/28 – 2:00 AM	Dr. Hans Wijmans	Membrane Technology and Research: Novel Membranes and Membranes Processes for Industrial Separation, Part 2
4/28 – 2:00 AM	Adeniyi Lawal	Stevens Institute: Microchannel Reactor Systems for Catalytic Hydrogenation
4/28 – 2:30 AM	Dr. Stuart Nemser	Compact Membrane Systems: Novel Air/VOC Separation Process
4/28 – 2:30 AM	Dr. Michael C.J. Bradford	CeraMem: Novel Membrane Reactor for the Fischer-Tropsch Synthesis
4/28 – 3:00 AM	Dr. Bruce Bishop	CeraMem: Ceramic Membrane Process for Upgrading Residual Vacuum Oil

