SUNDAY

	SESION 1: FUNDAMENTALS ON MIXING TECHNOLOGY & MIXING EDUCATION	Author / Presenter	Affiliation
7:00 PM	Openning Comments from Conference Chairs	Suzanne Kresta Clara Gomez	University of Alberta University of British Columbia
7:05 PM	Mixing and Age Distribution in Chemical Reactors: 50 Years After Danckwerts and Zwietering	Minye Liu	DuPont Company
7:50 PM	The Effect of Process Variables on Blend Time in a Continuous Stirred Tank	Joelle Aubin	Lab. Chem. Eng. - University of Toulouse
8:15 PM	A Comparison of Top Entry vs. Side Entry Agitator Performance in Low Viscosity Blending	Richard Kehn	SPX LIGHTNIN, NY
8:40 PM	Break		
8:55 PM	The Effect of Surfactants on the Breakup of and Axisymmetric Laminar Jet	Richard Calabrese	Univeristy of Maryland
9:20 PM	Laboratory and Table-Top Fluid Mixing Experiments for the Laboratory or Classroom	William Roy Penney	Dep. Chem. Eng., University of Arkansas
9:45 PM	Mixing Time Study for Wide Range of Fluid Viscosity	Katsuhide Takenaka	Sumitomo, USA
10:10 - 11:00 PM	Social Hour and Exhibit		

MONDAY

7:00 - 8:00 AM	Breakfast		
	SESION 2: MIXING OF SOLIDS I	Author/ Presenter	Affiliation
8:00 AM	Invited plenary on solid-liquid mixing in slurry flow	Sean Sanders	University of Alberta, Canada
8:45 AM	Solids Suspension in Tall Tanks	Richard F. Cope	The Dow Chemical Company
9:10 AM	Pulse Jet Mixers- The Known and Unknown about Solids Suspensions	David Dickey	MixTech Inc.
9:35 AM	Suspension of Slurries with Solids of Mixed Densities	Arthur W. Etchells	Etchells & Rowan University, NJ.
10:00 AM	Break		
10:20 AM	Experimental and Computational Characterization of Flow and Mixing Behaviour in a Continuous Powder Mixer	Fernardo Muzzio	Chem & Biochem Eng., Rutgers University
10:45 AM	Biaxial Rotary Mixer to encounter Granular Segregation	Bodhisattwa Chaudhuri	Pharmaceutical Sciences, Univeristy of Conneticut
11:10 AM	An Investigation of the Mixing and Segregation of Powders in a Spheronizer	Francois Bertrand	Chem. Eng., Ecole Polytechnique de Montreal
11:35 AM	Solid Velocity Profiles Using UVP and CFD Simulations	Madhavi Sardeshpande	National Chemical Laboratory, India
12:00 - 1:00 PM	Lunch		
5:00 - 5:40 PM	Social Hour and Exhibit		
5:40 - 7:00 PM	Dinner		
	SESION 3: IN LINE MIXERS AND MICRO MIXING	Author/ Presenter	Affiliation
7:00 PM	Segregation of Suspensions in Microscale In-line Mixers	James F. Gilchrist	Dept. Chem. Eng., Lehigh University
7:25 PM	Novel Ultrafast Inline Mixing Process and Mixer Based Receptivity	Guiren Wang	Mech & Biomed Eng., University of South Carolina
7:50 PM	Using Static Mixing to Prevent Segregation in Hoppers	Watson L. Vargas	Universidad de los Andes, Colombia
8:15 PM	Break		
8:30 PM	Scaling Up of Silverson Rotor-Stator Mixers	Steven Hall	School of Chem. Eng., University of Birmingham
8:55 PM	Flow and Power Characteristics of Three Types of Rotor-Stator Heads	Gul Ozcan	DOMINO, BHR Group
9:35 PM	Characteristics of Rotor-Stator Batch Mixer Performance Elucidated by Shaft Torque and Angle Resolved PIV Measurements	HansHenrik Mortensen	Tetra Pak Scanima
10:00 - 11:30 PM	Social Hour and Exhibit		

TUESDAY

7:00 - 8:00 AM	Breakfast		
	SESION 4: MIXING OF MULTIPHASE SYSTEMS	Author/ Presenter	Affiliation
8:00 AM	Invited plenary on mixing of multiphase systems	John Grace	University of British Columbia
8:45 AM	An Improved Correlation to Predict "Just Suspension" Speed for Solid-Liquid Mixtures with Axial Flow Impellers in Stirred Tanks	Richard K. Grenville	DuPont Engineering
9:10 AM	Effect of Geometry Variations on the Performance of Gas Dispersion Impellers with Semicircular Blades	Julian Fasano	Mixer Engineering Company
9:35 AM	Effect of Rheology on KLa and Mixing Time in 42 & 340L Stirred Reactors	Frederic Augier	IFP - Lyon (Process Development and Engineering Division)
10:00 AM	Break		
10:20 AM	Low Frequency Acoustic Mixing of Complex and Multiphase Systems	Peter Lucon	Resodyn Corporation
10:45 AM	Student finalist (in solid-liquid mixing)		
11:10 AM	Effect of Dispersed Phase Fraction on Drop Size in Immiscible Liquid-Liquid Dispersions: Coalescence or Turbulence Damping?	Gustavo Padron	BHR Group
11:35 AM	Experimental and Numerical Investigations of Drop Size Distributions in Stirred Liquid-Liquid Systems	Stephanie Hermann	TU Berlin
12:00 - 1:00 PM	Lunch		
5:00 - 5:40 PM	Social Hour and Exhibit		
5:40 - 7:00 PM	Dinner		
	SESION 5: EXPERIMENTAL METHODS	Author/ Presenter	Affiliation
7:00 PM	The use of Physical Modelling to Investigate Complex Industrial Mixing Problems	Darwin Kiel	Coanda Research & Development
7:25 PM	Flow Measurements in Single and Multiphase Mixing Processes	David A.R. Brown	BHR Group
7:50 PM	An Experimental Study of Fluid and Solids Velocity Characteristics in Dilute Solid-Liquid Stirred Tanks	Guisi Montante	University of Bologna
8:15 PM	Break		
8:30 PM	Comparison Between Electrical Resistance Tomography, CFD and Other Measurement Techniques for Gas-Liquid Mixing	Jonathan Ritson	Industrial Tomography Systems
8:55 PM	Understanding Multiphase Dispersions Ocurring in Bioprocesses	Enrique Galindo	Universidad Nacional Autonoma de Mexico
9:35 PM	Quantifying Continuous-Flow Mixing with a MaxBlend Impeller Using PLIF and Step Change in Inlet Tracer	Andrew Hawryluk	NOVA Chemicals, Calgary
10:00 - 11:30 PM	Social Hour and Exhibit		

WEDNESDAY

7:00 - 8:00 AM	Breakfast		
	SESION 6: CFD OF MIXING PROCESSES	Author/ Presenter	Affiliation
8:00 AM	A Mix of Computational Techniques for a Better Blend	Francois Bertrand	Chem. Eng., Ecole Polytechnique de Montreal
8:45 AM	Simulation of an Opposed Jet, Process Flow Geometry and its Experimental Verification	Robert S. Brodkey	Chem & Biomolec. Eng., Ohio State University
9:10 AM	Blending of Liquids with Density Differences	Jos Dersken	Chem. & Materials Eng. University of Alberta
9:35 AM	Stochastic Simulation of Crystal Particle Attrition Based on the Statistic of the Lagrangian Particle Simulation in a Stirred Vessel	Ryuta Misumi	Material Sci & Chem. Eng., Yokohama University, Japan
10:00 AM	Break		
10:20 AM	An Investigation of Numerical and Modeling Issues Regarding CFD Predictions of Velocity in a Stirred Tank with the RANS k-w Turbulence Model	Peter Farber	IMH- Institute of Modeling and High performance computing, Hoschshule Niederrherim, Germany
10:45 AM	Student finalist (using CFD modeling)		
11:10 AM	Ongoing Studies of the Flow in Annular Centrifugal Contactors	Kent E. Wardle	Chem Sci & Eng. Division, Argonne National Laboratory
11:35 AM	Computational Fluid Dynamics Simulation of a Quadrupole Magnetic Sorter Flow Channel	Thomas R. Hanley	Chem Eng., Auburn University
12:00 - 1:00 PM	Lunch		
4:00 - 5:40 PM	**POSTERS - Social Hour and Exhibit**		
5:40 - 7:00 PM	Dinner		
	SESION 7: MIXING AND CHEMICAL REACTION	Author/ Presenter	Affiliation
7:00 PM	Correlation of Reaction Yield on Suspended Catalysts	Gary K. Patterson	Chem. & Bio. Eng., Missouri University
7:25 PM	Solids Suspension and Mixing Time in a Torispherical-Bottomed Pharmaceutical Reactor Under Different Baffling Conditions	Piero M. Armenante	New Jersey Institute of Technology
7:50 PM	Student finalist (on mixing in multiphase systems)		
8:15 PM	Break		
8:30 PM	Oxy-Gas Combustion for Efficient CO2 Capture: Effect of Near Burner Mixing on Velocity and Composition Fields	Jennifer P. Spinti	Institute for Clean and Secure Energy, University of Utah
8:55 PM	A New Diagnostic: Mixing Sensitive Chemistry with Phase Change	Patil Pramod	The Dow Chemical Company
9:35 PM	Micromixing in Two-phase (g-l and s-l) Systems in a Stirred Vessel	Julia Honfinger	School of Chem. Eng., University of Birmingham
10:00 - 11:30 PM	Social Hour and Exhibit		

THURSDAY

7:00 - 8:00 AM	Breakfast		
	SESION 8: INDUSTRIAL MIXING	Author/ Presenter	Affiliation
8:00 AM	Stirred, Not Shaken; Mixing Myths in the Process Industries	Alvin Nienow	School of Chem. Eng., University of Birmingham
8:45 AM	Energy Efficient Mixing in Anaerobic and Anoxic Tanks	Marcus Hoefken	INVENT Umwelt-und Verfahrentechink AG, Germany
9:10 AM	Novel Design for a Magnesium-Enhanced Lime Ex-Situ Gypsum Crystallizer	Wojciech Wyczalkowski	Philadelphia mixers
9:35 AM	Measurement and Interpretation of Cavitation and Noise in a Hybrid Hydrodynamic Cavitating Device	Ke-ming Quan	Procter & Gamble Company
10:00 AM	Break		
10:20 AM	Design of Agitated Pulp Stock Chests with Side-Entering Impellers	Bennington (posthumous) - Clara Gomez	Dept. Chem & Bio Eng., UBC
10:45 AM	CFD Modeling of Pulse Jet Mixer Vessels at the Waste Treatment Plant	Brigette Rosendall	Bechtel National Inc.
11:10 AM	Effect of Rheology on the Performance of Maxblend and Superblend Mixers	Louis Fradette	Chem. Eng., Ecole Polytechnique de Montreal
11:35 AM	Energy Savings Option by Modified Stirrer Configuration and Aeration Strategy	Piet Brocken	DSM, the Netherlands
12:00 - 1:00 PM	Lunch		
4:00 - 5:30 PM	**POSTERS - Social Hour and Exhibit**		
5:30 - 7:30 PM	**AWARDS DINNER (starting with NAMF General meeting 5:30 - 6:00)**		
	SESION 9 : CFD MODELING AND VALIDATION	Author/ Presenter	Affiliation
7:30 PM	Wall Shear Stress in an Orbiting Culture Dish Using CFD with PIV Validation	R. Eric Berson	Chem. Eng., University of Louisville
7:55 PM	Modeling surface gas transfer in agitated vessels using Computational Fluid Dynamics.	Nulu Suresh	Amgen
8:20 PM	Modeling Cavitation in a High Intensity Agitation Flotation Cell	R.E. Hayes	Chem. & Materials Eng. University of Alberta
8:45 PM	Break (10 min)		
8:55 PM	Comparing Two Experimental Techniques and Modeling to Validate Mixing Time in a Dual Impeller Agitated Vessel	Olli Visuri	Biotech. & Chem. Tech., Aalto University, Finland
9:20 PM	Estimation for the Prediction of Agglomeration Rate in Emulsion Polymerization	Koji Takahashi	Chem. Eng., Yamagata University, Japan
9:45 PM	Gas Handling and Power Consumption of High Solidity Hydrofoils: Philadelphia Mixing Solution's HS and Lightnin's A315 Impellers	Thomas Post	Post Mixing Optimization and Solutions
10:10 - 11:30 PM	Social Hour and Exhibit		