

DIERS VIRTUAL MEETING AGENDA

RUNAWAY REACTIONS and DATA ACQUISITION

Wednesday (August 12, 2020)

All times are Eastern Daylight Time Zone

9:30 - 10:00	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00-10:15	Welcome / Orientation	Harold G. Fisher	Chair
		Georges A. Melhem	Vice-Chair
10:15 - 11:15	Runaway Reactions	Georges A. Melhem	ioMosaic Corp
11:15 - 12:00	Safety Margins of Online Model-Based Safety Concepts for Runaway Reactions	Johannes Biernath Carsten Schmidt	CSE
12:00 - 1:00	Practical Limits of ARC Testing	Peter Ralbovsky	Netzsch NA
1:00 - 1:30	Break / Video Technical Presentations		
1:30 - 2:15	Improving DSC Data for Kinetic Analysis	Peter Ralbovsky	Netzsch NA
2:15 - 3:00	Introduction of Evolved Gas Coupling Methods	Dan van Ness	Netzsch NA
3:00 - 4:00	Scale-up Considerations for the Hydrolysis of Epichlorohydrin - Characterization by Thermal Screening, Adiabatic Testing, and Reaction Criticality Classification	Donald J. Knoechel	FAI
4:00 -	Adjourn		

VENTING FLAMMABLE / TOXIC VAPORS or TWO-PHASE FLOW Thursday (August 13, 2020)

All Times are Eastern Daylight Time Zone

9:30 - 10:00	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00 - 11:00	Effluent Handling and Vent Containment	Georges A. Melhem	ioMosaic Corp
11:00 - 11:30	Considerations for Relieving Flammable and Toxic Materials to the Atmosphere	Russell Merriam	Curtisswright
11:30 - 12:00	ASME BPV Committee on Overpressure Protection (Section XIII)	Jennifer Mize	Eastman Chemical
12:00 - 12:30	Minimizing Negative Consequences of Relief Systems Upgrades	Waheed Wakil	Smith & Burgess
12:30 - 1:00	Statistically Determining the Worst Credible Load in a Complex System	Dustin Smith	Smith & Burgess
1:00 - 1:30	Break / Video Technical Presentations		
1:30 - 2:15	The Past, Present, and Future of the Mary Kay O'Conner Process Safety Center	Stewart Behie	MKOPSC
2:15 - 3:15	The DIERS Coupling Equation for Two-Phase Flow Venting	Georges A. Melhem	ioMosaic Corp
3:15 - 4:00	Incorporating Abnormal Models of Operation into Pressure Relief System Design and Documentation	John Paschall	Smith & Burgess
4:00 -	Adjourn		

ERS DESIGN**Friday (August 14, 2020)****All Times are Eastern Daylight Time Zone**

9:30 - 10:00	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00 - 10:45	Rupture Disk Sizing Procedure with Alternate Characteristics Numbers and Model Parameters	Mondie K. Mutegi	Rembe GmbH
10:45 - 11:15	Lessons from a Fatal Runaway Reaction	Simon-Mark Egan	Solvay
11:15 - 11:45	Selecting a Correct Basis for Heat and Material Balance in Relief Analysis	Kamal Banjara	Smith & Burgess
11:45 - 12:15	Lessons from the Thermal Runaway Reaction in a Semi-batch Reactor	Simon-Mark Egan	Solvay
12:15 - 1:00	Lessons Learned from Styrene Leak at LG Polymers in India	Rahul Raman	PROSAF Int.
1:00 - 1:30	Break / Video Technical Presentations		
1:30 - 2:00	Tubular Reactor Emergency Relief Methodology	David D. Goetz Anthony Janeshek	Dow Chemical
2:00 - 2:30	Recent Development in ERS Design	Benjamin Doup	FAI
2:30 - 3:30	What is a Vent Safe Discharge Location	Georges A. Melhem	ioMosaic Corp
3:30 -	Adjourn		