



DIERS FALL 2022 MEETING AGENDA – Monday, October 17, 2022

CENTRAL DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
7:00 AM	8:00 AM	Breakfast – DIERS Meeting Room		
8:00 AM	8:15 AM	Welcome / Orientation	Harold G. Fisher Georges Melhem Anil Gokhale	Chair Vice-Chair Staff Director
8:15 AM	9:15 AM	What is New in SuperChems for DIERS Version 11.5	Georges Melhem	ioMosaic
9:15 AM	9:45 AM	Challenges in Adding Flare Gas Recovery in Petrochemical Plants	Kamal Banjara	Smith & Burgess
9:45 AM	10:15 AM	Coffee Break – DIERS Meeting Room		
10:15 AM	10:45 AM	Overpressure Protection of a Flow Reactor Against Gas Generating Chemistry	Thomas Vickery	Merck
10:45 AM	11:00 AM	Vendor Showcase - ioMosaic	Georges Melhem	ioMosaic
11:00 AM	11:45 AM	Comparing RAGAGEP Methods to Predict Stability Against Test Data From 4 Relief Devices	Dustin Smith	Smith & Burgess
11:45 AM	1:00 PM	Lunch		
1:00 PM	2:00 PM	Pressure Relief Valves – Restricting Capacity to Mitigate Oversizing	Bill Atkins	Emerson
2:00 PM	2:45 PM	The Use of Fluid Bed Scrubbers for Vent Line Emissions Control	Howard Davis	FTL/Osprey
2:45 PM	3:15 PM	Coffee Break – DIERS Meeting Room		
3:15 PM	3:45 PM	Client Incident with Pilot Operated Safety Relief Valve	Russell Merriam	Curtiss-Wright
3:45 PM	4:15 PM	Runaway Reaction Kinetic Parameters Based on Temperature vs. Time	Enio Kumpinsky	ioMosaic
4:15 PM	5:00 PM	Best Practices for Calculation of Self-Accelerating Reaction Temperatures for Reaction Systems: Part 1 – Data Reduction	Georges Melhem	ioMosaic
5:00 PM		Adjourn		



DIERS FALL 2022 MEETING AGENDA – Tuesday, October 18, 2022

CENTRAL DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
7:00 AM	7:55 AM	Breakfast – DIERS Meeting Room		
7:55 AM	8:00 AM	Welcome / Orientation	Harold G. Fisher	Chair
8:00 AM	8:15 AM	ASME Section XIII Primer and Revisions to Section VIII Div 1	Danielle Mainiero-Cessna	PROSAF
8:15 AM	8:30 AM	API SCPRS Spring 2022 Meeting Highlights	Georges Melhem	ioMosaic
8:30 AM	9:00 AM	Improvements and Drawbacks of ASME XIII Over ASME VIII UG-140	Dilip Das	ioMosaic
9:00 AM	9:30 AM	Addressing Exposure Fire Cases Without Credible Relief Design Options in NFPA 30	Wayne Chastain	Eastman
9:30 AM	10:00 AM	Visualization – The Next Step in Relief System Design Documentation Evolution	Casey Houston	Chemitics
10:00 AM	10:30 AM	Coffee Break – DIERS Meeting Room		
10:30 AM	11:30 AM	Understanding the Potential Effects of Fire Protection Insulation Systems Described Within API 521	David Shong	Thermal Pipe Shields
11:30 AM	12:00 PM	DIERS Project Guideline on Flame Arresters: Fundamentals	Davide Moncalvo	PROTEGO
12:00 PM	1:15 PM	Lunch		
1:15 PM	2:00 PM	Best Practices for Calculation of Self-Accelerating Reaction Temperatures for Reaction Systems: Part II – Kinetic Model Development	Georges Melhem	ioMosaic
2:00 PM	2:15 PM	Chair Report	Harold G. Fisher	Chair
2:15 PM	2:30 PM	DIERS Technical Project Updates	Passa Piland	Bayer U.S. LLC
2:30 PM	2:45 PM	Program Committee Update	Ben Doup	Fauske & Associates
2:45 PM	3:00 PM	DIERS Courses	John Hauser	PROSAF
3:00 PM	3:30 PM	Coffee Break – DIERS Meeting Room		
3:30 PM	3:45 PM	DIERS Round Robin Testing Introduction	Marc Levin	DIERS
3:45 PM	4:45 PM	Research Project Discussion	Harold G. Fisher	Chair
4:45 PM		Adjourn		



DIERS FALL 2022 MEETING AGENDA – Wednesday, October 19, 2022

CENTRAL DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
7:00 AM	7:55 AM	Breakfast – DIERS Meeting Room		
7:55 AM	8:00 AM	Welcome / Orientation	Harold G. Fisher	Chair
8:00 AM	8:30 AM	Design and Analysis of Accelerating Rate Calorimetry Experiments for Autocatalytic Systems	Garrett Dupre	W.R. Grace & Co.
8:30 AM	8:45 AM	Vendor Showcase – Fauske & Associates	Ben Doup	Fauske & Associates
8:45 AM	9:15 AM	Analyzing Gas-Phase Adiabatic Calorimetric Test Data	Todd Brandes	The Chemours Company
9:15 AM	10:00 AM	Best Practices for Calculation of Self-Accelerating Reaction Temperatures for Reaction Systems: Part III – Semenov Approach, Dynamic and Simplified	Georges Melhem	ioMosaic
10:00 AM	10:30 AM	Coffee Break – DIERS Meeting Room		
10:30 AM	11:15 AM	Di-Tert-Butyl Peroxide Decomposition Kinetics in Toluene	Enio Kumpinsky	ioMosaic
11:15 AM	12:00 PM	Why Did This Polymer Catch Fire? Uncovering the Hidden Runaway Oxidation Hazard of Polyethylene	Robert Bellair	Dow Chemical
12:00 PM	1:15 PM	Lunch		
1:15 PM	1:45 PM	An Alternative Methodology Addressing United Nationals (UN) Classification Type for Self-Reactive Substances	Ben Doup	Fauske & Associates
1:45 PM	2:30 PM	Deconstructing Runaway Reaction Events Using Dynamic Modeling	James Close	ioMosaic
2:30 PM	3:00 PM	The Fatality Explosions of 2017 at Midland Resource Recovery	Marc Levin	DIERS
3:00 PM	Adjourn			

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