



DIERS SPRING 2023 MEETING AGENDA – Wednesday, April 19, 2023

EASTERN DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
9:30 AM	10:00 AM	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00 AM	10:15 AM	Welcome / Orientation	Harold G. Fisher Georges Melhem Anil Gokhale	Chair Vice-Chair Staff Director
10:15 AM	10:45 AM	Performance Of Tank Car Pressure Relief Devices Under Derailment Fire Conditions	Francisco Gonzalez, III	Department of Transportation
10:45 AM	11:30 AM	Two-Phase Flow Considerations for Pressure Relief of Vessels Exposed to External Fire	Greg Hendrickson	DIERS
11:30 AM	11:45 AM	Sponsor Presentation		
11:45 AM	12:30 PM	Process and Storage Vessels Exposed to Fire – Fire Characterization	Georges Melhem	ioMosaic
12:30 PM	1:15 PM	Lunch		
1:15 PM	2:00 PM	Optical Access Pressure Vessel for Studying Thermo-hydraulics in Fire Heated Pressure Vessel	A. Michael Birk	Queen's University
2:00 PM	2:45 PM	Process and Storage Vessels Exposed to Fire - Failure Assessment	Georges Melhem	ioMosaic
2:45 AM	3:00 PM	Break		
3:00 PM	3:45 PM	Process and Storage Vessels Exposed to Fire – Gas Filled Vessels	Georges Melhem	ioMosaic
3:45 PM	4:00 PM	Rainfall Frequency	Freeman Self	Bechtel
4:00 PM	4:15 PM	Chair Report	Harold Fisher	Chair
4:15 PM	4:30 PM	DIERS Technical Project Updates	Passa Piland	Bayer U.S. LLC
4:30 PM	5:30 PM	Technical Discussions - “Fire Hazards and Their Impact on Emergency Relief Venting” - “Lessons Learned from Emergency Events” - “Best Practices for Reaction Calorimetry”		



DIERS SPRING 2023 MEETING AGENDA – Thursday, April 20, 2023

EASTERN DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
9:30 AM	9:55 AM	Establish Contact / Sign-in / Meeting and Software Instructions		
9:55 AM	10:00 AM	Welcome / Orientation	Harold G. Fisher	Chair
10:00 AM	11:00 AM	What is New in SuperChems for DIERS?	Georges Melhem	ioMosaic
11:00 AM	11:30 AM	DIERS Project Guideline on Flame Arresters: State of the Project and Examples of Application	Davide Moncalvo	PROTEGO Engineering Service
11:30 AM	11:45 AM	Sponsor Presentation		
11:45 AM	12:15 PM	Lessons Learned from Accident at Dupont, Belle, WV Plant in January 2010	Ashit V Dalal	eDelta Consulting, Inc.
12:15 PM	12:25 PM	ASME SECTION XIII Primer and Revisions to Section VIII Div 1	Danielle Mainiero-Cessna	PROSAF
12:25 PM	12:30 PM	DIERS Courses	John J. Hauser	PROSAF
12:30 PM	1:30 PM	Lunch		
1:30 PM	1:45 PM	API SCPRS Spring 2023 Meeting Highlights	Georges Melhem	ioMosaic
1:45 PM	2:45 PM	Legal Implications of Relief System Design	Devon Downs	Farley & Partners
2:45 PM	3:15 PM	Evaluation PRV Failures - Root Causes and Mitigation Tactics	Sean Croxford	Curtiss-Wright
3:15 PM	3:45 PM	Selecting the Proper Gas Compressibility Z for Relief Valve Sizing	Freeman Self	Bechtel
3:45 PM	4:00 PM	Break		
4:00 PM	4:30 PM	Learnings from a Reactor Explosion: Towards Safer Start-ups of Catalyst Systems	Nick Gonzales	Shell Global Solutions
4:30 PM	5:00 PM	Measuring Heat Capacity	Peter Ralbovsky	NETZSCH Instruments North America, LLC
5:00 PM	5:30 PM	Evolved Gas Analysis Using FTIR	Peter Ralbovsky	NETZSCH Instruments North America, LLC
5:30 PM		Adjourn		



DIERS SPRING 2023 MEETING AGENDA – Friday, April 21, 2023

EASTERN DAYLIGHT TIME		Title	Presenter	Association
Start Time	End Time			
9:30 AM	9:55 AM	Establish Contact / Sign-in / Meeting and Software Instructions		
9:55 AM	10:00 AM	Welcome / Orientation	Harold G. Fisher	Chair
10:00 AM	10:45 AM	Why the Pilot Plant Building Has No Walls - One of Five Catastrophic Events that Shaped Reactive Hazard Evaluation at Albemarle Corporation	Dan Smith	Albemarle
10:45 AM	11:30 AM	Calorimetry of Lithium-ion Batteries	Surendra Singh, Derek Lovejoy, Rahil Rana	Belmont Scientific, Inc.
11:30 AM	11:45 AM	Sponsor Presentation		
11:45 AM	12:30 PM	Advanced Li-ion Batteries and their Thermal Safety	Vilas G. Pol	Purdue University
12:30 PM	1:30 PM	Lunch		
1:30 PM	1:45 PM	Summary of Previous Round Robin Test Campaigns	Ben Doup	Fauske & Associates
1:45 PM	2:15 PM	DIERS Round Robin Testing Update	Marc Levin	DIERS
2:15 PM	2:45 PM	Heat Transfer-limited Systems in Adiabatic Calorimetry	Brenton Drake	The Dow Chemical Company
2:45 PM	3:15 PM	Calorimetry Standards - Current State and Opportunities	Garrett Dupre	W. R. Grace & Co.
3:15 PM	3:30 PM	Break		
3:30 PM	4:00 PM	Eastman's Coal Gasification Event in 2017	Wayne Chastain	Eastman
4:00 PM	4:30 PM	Overview of Thermophysical Properties Research at NIST Boulder	Marcia L. Huber, Ian H. Bell, Eric W. Lemmon, and Mark O. McLinden	NIST
4:30 PM	5:00 PM	The Pressure Vessel Explosion and Fatalities at the Loy-Lange Box Company in 2017	Marc Levin	DIERS
5:00 PM		Adjourn		

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