



DIERS FALL 2024 MEETING AGENDA – Monday, October 28, 2024

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	9:00 AM	What is new in SuperChems for DIERS v12	Georges Melhem	ioMosaic
9:00 AM	9:30 AM	Insights from Dynamic Simulations: Controllability and Safety Analysis of Green Hydrogen Production Systems	Rodolfo Tellez-Schmill, Ph.D., P.Eng.	KBC Advanced Technologies Canada Ltd
9:30 AM	10:00 AM	Standards and regulations governing the production, storage, and transportation of hydrogen for commercial use	Edison Sripaul, Tanjin Amin, Faisal Khan	Mary Kay O'Connor Process Safety Center, Texas A&M University
10:00 AM	10:30 AM	Coffee Break - DIERS Meeting Room		
10:30 AM	11:00 AM	From PSM safeguard to PRD Reliability – Do we ever connect the two?	Phil Henry	The Equity Engineering Group, Inc.
11:00 AM	11:30 AM	Relief Installation Risk Assessment Methodology	Robert Bellair	DOW
11:30 AM	12:00 PM	Avoid Design Pitfall – How Process Design Basis of Flame Out Dispersion Analysis Differs from the Flare Design Scenario	Abdullmajeed I. Al Sanad	Saudi Aramco
12:00 PM	1:15 PM	Lunch		
1:15 PM	1:45 PM	Thermal Radiation Considerations When Designing a Flare System	Andres Rodriguez	Smith & Burgess
1:45 PM	2:15 PM	SuperChems for DIERS Lite to meet ERS RAGAGEP	Casey Houston	Chemitics LLC
2:15 PM	2:45 PM	Pipe Flow Equations with a Three Point Method for Compressible Flow	Jung Kim	Covestro
2:45 PM	3:15 PM	Applying UG 140 (Code Case 2211-1) Reasoning to Exclude a Vessel from the need for a Fire Case Relief Valve.	William Bridges	Process Improvement Institute, Inc. (PII)
3:15 PM	3:45 PM	Coffee Break - DIERS Meeting Room		
3:45 PM	4:15 PM	Enhancing Chemical Process Safety with a Novel Kinetic Approach: Merging of DSC-ARC Data for Accurate TMRad24 and SADT Determination	Bertrand Roduit	AKTS
4:15 PM	5:00 PM	FGS SIS for PRD Effluent Risk Reduction	Eloise Roche	SIS-TECH Solutions
5:00 PM		Adjourn		



DIERS FALL 2024 MEETING AGENDA – Tuesday, October 29, 2024

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	An Introduction to von Mises Stress	Dilip Das	ioMosaic
8:30 AM	9:15 AM	Safe Separation Distance Requirements for Closely Coupled Rupture Disk and Pressure Relief Valve Combinations	Georges Melhem	ioMosaic
9:15 AM	9:45 AM	Bellows fatigue	Sean Croxford	Curtiss-Wright
9:45 AM	10:00 AM	API SCPRS Spring 2023 Meeting Highlights	Georges Melhem	ioMosaic
10:00 AM	10:30 AM	Coffee Break - DIERS Meeting Room		
10:30 AM	11:15 AM	Proposed Updates to API 520 Part I (11th Edition) and Part II (8th Edition) - Sizing, Selection, and Installation of Pressure Relief Devices	Phil Henry	The Equity Engineering Group, Inc.
11:15 AM	11:30 AM	ioMosaic - Sponsor presentation	Georges Melhem	ioMosaic
11:30 AM	12:00 PM	Restricting Lift to Improve Stability of Direct Spring-Loaded Pressure Relief Valves in Gas Service	Arjay Desai, Dustin Smith, Benjamin Smith	Smith & Burgess
12:00 PM	1:15 PM	Lunch		
1:15 PM	1:45 PM	Opening and closing definitions used in ASME as well as API	Sean Croxford	Curtiss-Wright
1:45 PM	2:30 PM	Using Balanced Diaphragm Technology as an Alternative to Bellows in PRV Applications	Emile Tezzo, Katherine Si, Marcelo Dultra	Emerson
2:30 PM	3:00 PM	Implications of Valve Restriction Test Data on Stability Modeling for Direct Spring-Loaded Pressure Relief Valves in Gas Service	Dustin Smith, John Burgess	Smith & Burgess
3:00 PM	3:30 PM	Coffee Break - DIERS Meeting Room		
3:30 PM	3:45 PM	Leser - Sponsor presentation	Thomas Raeder	Leser
3:45 PM	4:30 PM	Providing Tank Safeguarding During Maintenance Events	E. Scott Splan	Smith & Burgess
4:30 PM	4:45 PM	Project Updates/Awards	Passa Piland	Bayer
4:45 PM	5:00 PM	Flame Arrestor Project - Recap	Davide Moncalvo	Protego
5:00 PM	5:15 PM	New Project Discussion	Greg Hendrickson	DIERS
5:15 PM		Adjourn		



DIERS FALL 2024 MEETING AGENDA – Wednesday, October 30, 2024

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	Thermal Decomposition of Dimethylacetamide (DMAc)	Elsa Koninckx	DuPont Science & Innovation
8:30 AM	9:15 AM	Gram-scale microcalorimetry as a complement to DSC and ARC	Garrett Dupre	W.R. Grace
9:15 AM	10:00 AM	Reactive Hazards in Refineries: Hydrocracker Runaways	Nick Gonzales	Shell
10:00 AM	10:30 AM	Coffee Break - DIERS Meeting Room		
10:30 AM	11:15 AM	Pressure Relief Considerations for Rail Transport of Reactive Chemicals	Georges Melhem	ioMosaic
11:15 AM	12:00 PM	Containment Challenges: Filtering High-Energy Waste Streams During Lithium-Ion Battery Failure	Samuel P. Russell, PhD, John (Jacob) Darst	NASA Johnson Space Center
12:00 PM	1:15 PM	Lunch		
1:15 PM	1:45 PM	The Versatile VSP2: Battery Testing	Kenneth Kurko	Fauske & Associates
1:45 PM	2:15 PM	DIERS Round Robin Group - Update	Garrett Dupre	W.R. Grace
2:15 PM	2:45 PM	Shock-Sensitivity Testing and Prediction at Merck	Tao Chen, Eric Margelefsky	Merck
2:45 PM		Adjourn		

Thank you to our sponsors!

