



DIERS FALL 2025 MEETING AGENDA - Monday, October 27, 2025

CENTRAL 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	Chair Vice-Chair
8:15 AM	9:15 AM	What is New in SuperChems for DIERS v12.18	Georges Melhem	ioMosaic
9:15 AM	10:00 AM	Learnings the Engineer Can Use When Specifying or Revalidating Relief Devices	John Fowler	Fowler Gulf Consulting
10:00 AM	10:15 AM	Coffee Break – DIERS Meeting Room		
10:15 AM	11:00 AM	Trust but Verify - a Data-Driven Approach to PRD Reliability and Inspection Updating	Nicholas Plentovich Phil Henry	Equity Engineering Group
11:00 AM	11:30 AM	Pressure Relief Device Revalidation Practice	Julie D. White	Chevron Phillips Chemical Company LP
11:30 AM	12:00 PM	Keep it Evergreen	Casey Houston	Chemitics
12:00 PM	1:15 PM	Lunch		
1:15 PM	2:00 PM	1986 EASC Reactor Explosion - Lessons Learned the Hard Way	Dan Smith	Albemarle Corporation
2:00 PM	2:15 PM	Sponsor Showcase - ioMosaic	Sponsor Showcase	ioMosaic
2:15 PM	2:45 PM	BP Texas City Overpressure Scenario Review – 20 Years Later	Andres Rodriguez Dustin Smith	Smith & Burgess
2:45 PM	3:00 PM	Coffee Break – DIERS Meeting Room		
3:00 PM	3:30 PM	Diers 2025 Strategic Business Plan	Greg Hendrickson	Retired
3:30 PM	5:00 PM	Harold Fisher - Celebration of 50 Years of DIERS Contributions	Harold Fisher Recognition	DIERS
5:00 PM		Adjourn		



DIERS FALL 2025 MEETING AGENDA - Tuesday, October 28, 2025

CENTRAL 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	Nuances of HAZOP	Dilip Das	ioMosaic
8:30 AM	9:15 AM	The Force Is Strong with This Valve - a Cost-Efficient 3-Level Approach to PSV Reaction Force Calculations	Phil Henry Kraig Shipley Shane Kelliher	Equity Engineering Group
9:15 AM	10:00 AM	Single and Multiphase Flow Speed of Sound Considerations for PRV Stability	Georges Melhem	ioMosaic
10:00 AM	10:15 AM	Coffee Break – DIERS Meeting Room		
10:15 AM	11:00 AM	Review of Relief Valve Stability Modeling Versus Installation and Testing Data	Dustin Smith	Smith & Burgess
11:00 AM	11:45 AM	Experimental Results and Model Approaches to Instabilities of PRV	Thomas Raeder	Leser
11:45 AM	12:00 PM	API SCPRS Spring 2025 Meeting Highlights	Georges Melhem	ioMosaic
12:00 PM	1:15 PM	Lunch		
1:15 PM	1:30 PM	ASME Section XIII Update	Danielle Mainiero-Cessna	PROSAF
1:30 PM	2:00 PM	Application of High Integrity Pressure Protection Systems (HIPPS) for Compressor Overpressure Prevention	Victor Quiroga Rosalind Allen	Equity Engineering Group
2:00 PM	2:15 PM	Sponsor Showcase - Leser	Sponsor Showcase	Leser
2:15 PM	2:45 PM	Relief and Disposal Concerns & Analysis Specific to LNG Facilities (Based on Incident Reviews)	Dustin Smith	Smith & Burgess
2:45 PM	3:00 PM	Coffee Break – DIERS Meeting Room		
3:00 PM	3:45 PM	Grignard Decomposition Pressure Relief Design	Dan Smith	Albemarle Corporation
3:45 PM	4:00 PM	DIERS Projects Update	Passa Piland	Bayer
4:00 PM	5:00 PM	Diers Future of Innovation – the Next 50 Years	Greg Hendrickson Dan Smith Garrett Dupre	Retired Albemarle Corp W. R. Grace & Co.
5:00 PM		Adjourn		



DIERS FALL 2025 MEETING AGENDA - Wednesday, October 29, 2025

CENTRAL 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	8:45 AM	Risk Considerations for Safe Process Design	Georges Melhem	ioMosaic
8:45 AM	9:45 AM	Application of SuperChems® in Modelling an Emergency Blowdown Valve and the Impact of Reducing Calculation Resolution	Tzu Lin	ioMosaic
9:45 AM	10:00 AM	Chair Report	Harold G. Fisher	Chair
10:00 AM	10:15 AM	Coffee Break – DIERS Meeting Room		
10:15 AM	11:00 AM	Lithium-Ion Battery Safety: Failure Mechanisms and Prevention Strategies	Shiang Teng	Bechtel
11:00 AM	11:45 AM	Thermal Runaway Calorimetry of Lithium-Ion Battery	Surendra Singh	Belmont Scientific
11:45 AM	1:00 PM	Lunch		
1:00 PM	1:45 PM	Bridging Standards and Field Reality: Comparing CCPS Ignition Probability Guidelines and EN 1127-1 in Fire and Explosion Risk Management	Efari Bahcevan Ulrich Krause	Seyir Academy Otto-von-Guericke-Universität
1:45 PM	2:15 PM	Round Robin Update	Garrett Dupre	W. R. Grace & Co.
2:15 PM	3:00 PM	Chemical Reactivity Hazards Assessment using Quantum Chemical Methods	Georges Melhem	ioMosaic
3:00 PM		Adjourn		

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