

## DIERS SPRING 2021 VIRTUAL MEETING AGENDA

Emergency Relief System Design - Expertise and Tools of the Trade

Wednesday (March 10, 2021)

All times are Eastern Standard Time Zone

9:15 - 9:45	Establish Contact / Sign-in / Meeting and Software Instructions		
9:45 - 10:00	Welcome / Orientation	Harold G. Fisher Georges A. Melhem	Chair Vice-Chair
10:00 - 10:45	Evaluation and Comparison of Models to Predict Safety Valve Chatter	Gergely Kesthelyi Jens Denecke Juergen Schmidt	CSE-Institut.de CSE-Institut.de CSE-Institut.de
10:45 - 11:30	Experimental Investigation of Storage Tank Breathing	Natalie Schmidt Jens Denecke Juergen Schmidt	CSE-Institut.de CSE-Institut.de CSE-Institut.de
11:30 - 11:45	Vendor Showcase - ioMosaic Corporation		
11:45 - 12:30	What is New in SuperChems for DIERS Version 10	Georges Melhem	ioMosaic
12:30 - 1:00	Effects of Blowdown Ring on Safety Relief Valve Performance	Dustin Smith	Smith & Burgess
1:00 - 1:45	Break / Video Technical Presentations		
1:45 - 2:30	Pilot Valve Options and Specifying Elastomers	Sean Croxford	Curtiss-Wright
2:30 - 2:45	Vendor Showcase - AIChE Basics and Advanced ERS Design Courses	John Hauser	PROSAF
2:45 - 3:30	Estimate Non-Equilibrium Flow and Rapid Phase Transitions	Georges Melhem	ioMosaic
3:30 - 4:30	Saturated and Slightly Subcooled Liquid Nozzle Flow Considerations	Greg Hendrickson Georges Melhem	Retired ioMosaic
4:30 - 5:00	Networking		
5:00	Adjourn		

## Emergency Relief System Design by the Book

Thursday (March 11, 2021)

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9:30 - 10:00	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00 - 10:45	Best Practices for Revalidation of Safety Relief Systems	Maria Dillard	Honeywell
10:45 - 11:30	API 521 STD, 7th Ed, Review of Changes from the 6th Edition	Srihari Maganti	Brown & Root
11:30 - 11:45	Vendor Showcase - Fauske & Associates, LLC		
11:45 - 12:15	Commonly Missed Overpressure Scenarios	Waheed Wakil	Smith & Burgess
12:15 - 1:00	API STD 520 (Parts I and II), Review of Recent Changes	Ali Golshon	Albemarle
1:00 - 1:45	Break / Video Technical Presentations		
1:45 - 2:15	Include Re-entrainment in Your Vapor Breakthrough Calculations: Guidance from New API STD 521, Appendix G	Nancy Faulk Abdul Aldeeb Trey Buttlemann	Siemens Energy
2:15 - 2:45	DIERS Fire Case Tutorial - Group Update	Kerry McBride Freeman Self	HGA-LLC Bechtel
2:45 - 3:00	Vendor Showcase - AIChE Virtual GCPS (April 18 - 23)		
3:00 - 3:45	DIERS Technology Fundamentals - Effluent Handling and Vent Containment Design	Georges Melhem	ioMosaic
3:45 - 4:30	The Art and Science of Sizing Fusible Plugs to Protect the Jacket of a Jacketed Vessel from Overpressure During External Fire Exposure	Dilip Das	Design and Safety
4:30 - 5:00	Technical Discussions		
5:00	Adjourn		

**ERS Design - Runaway Reactions Require Laboratory Expertise****Friday (March 12, 2021)****All Times are Eastern Standard Time Zone**

9:30 - 10:00	Establish Contact / Sign-in / Meeting and Software Instructions		
10:00 - 10:45	Reflections from Disaster Cases - The Significance of Intrinsic Hazard Characteristic Parameters TO Industrial Process Safety	Chi-Min Shu	YunTech, ROC
10:45 - 11:30	Dicumyl Peroxide Vent Sizing Case Study	Benjamin Doup	Fauske&Associates
11:30 - 11:45	Vendor Showcase - AIChE SuperChems™ for DIERS		Georges Melhem
11:45 - 12:15	Rapid Phase Transition Considerations for Biodiesel Reactions	Dustin Smith	Smith & Burgess
12:15 - 1:00	Calorimetric Study of Epichlorohydrin Reactivity with Water	Surendra Singh	Belmont Scientific
1:00 - 1:45	Break / Video Technical Presentations		
1:45 - 2:45	Better Kinetics Requires Better Data Getting the Most from Your DSC and TGA / DSC Data	Peter Ralbovsky	NETZSCH
2:45 - 3:00	Vendor Showcase - AIChE Process Safety Videos		
3:00 - 3:30	Calculation Method Effect on Relief Load Calculations for Columns	Rob Foley	Smith & Burgess
3:30 - 4:15	Scale-up Aspects of Phenol - Formaldehyde Reactions	Don Knoechel R (Gabe) Wood Elizabeth Raines	Fauske&Associates
4:15-	Adjourn		