

DIERS Users Group Meeting Agenda
Mathematical Modeling of ERS Design

Monday 8:00 AM – 5:15 PM
April 24, 2017

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| 1. | Welcome | (8:00-8:05) | Harold G. Fisher
Chair |
| 2. | Technical Presentations | | |
| A. | What is New with SuperChems v8.22
for DIERS | (8:05-9:00) | Georges A. Melhem
ioMosaic Corp |
| B. | OSHA Interpretation of RAGAGEP | (9:00-9:30) | Justin Phillips
Provenance Consulting |
| C. | Purpose, Expectations, Benefits and Pitfalls
of ASME Non-Mandatory Appendix M | (9:30-10:00) | Kerry McBride
HGA-LLC |
| 3. | Break | (10:00-10:30) | ALL |
| D. | Statistical Analysis of Site-wide Relief
Systems Study and the Deficiencies
That Were Identified | (10:30-11:00) | John Paschall
ioMosaic Corp |
| E. | Holistic Review of the Smith & Burgess
Test Data Against the Critical Length
Method and the Force Balance Method | (11:00-12:00) | Dustin Smith
Smith & Burgess |
| 4. | Lunch | (12:00-1:15) | ALL |
| F. | Rupture Discs | (1:15-2:00) | Richard Neale
Continental Disc |
| G. | Catastrophic Vessel Failure Due To
Thermal Expansion of Liquid | (2:00-3:00) | Georges Melhem
ioMosaic Corp |
| 5. | Break | (3:00-3:30) | ALL |
| H. | Whoops! “I Made A Mistake Sizing My
Relief Device” | (3:30-4:00) | Justin Phillips
Provenance Consulting |
| I. | Tutorial: Relief System PSV Design:
Fire Scenario-Vapor Venting | (4:00-5:00) | Robert D’Alessandro
Harold G. Fisher |
| 6. | Adjourn | (5:00-) | ALL |

DIERS USERS GROUP MEETING AGENDA
Business Meeting / Committee Reports / Technical Presentations

Tuesday 8:00 AM – 5:00 PM
 April 25, 2017

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| 1. | Welcome / Chairman's Report / Minutes | (8:00-8:30) | Harold G. Fisher
Chair
Georges Melhem
Vice-Chair/Secretary |
| 2. | Technical Presentations | | |
| A. | DIERS Research Projects Report | (8:30-9:15) | Warren Greenfield
WAGreenfield LLC |
| B. | Project Updates:
PSV Two-Phase Flow Model Selection
PSV Stability - Shock Tube Testing | (9:15-9:45) | Greg Hendrickson
CPChem |
| C. | Project Update:
Fire Exposure of Low Volatility Liquids | (9:45-10:00) | John Hauser
PROSAF |
| 3. | Break | (10:00-10:30) | ALL |
| D. | Project Update: Impact of Weather
Conditions on the In-Breathing
Requirements for Protection of Low-
Pressure and Atmospheric Storage Tanks | (10:30-11:00) | Davide Moncalvo
Braunschweiger
Flammenfilter GmbH |
| E. | Estimate of Heat Transfer Water-Film
Coefficient on Large Tanks During
Rain Fall | (11:00-11:45) | Dilip Das
Design And Safety |
| F. | AICHE / CCPS Update | (11:45-12:00) | Louisa Nara
AICHE/CCPS/DIERS |
| 4. | Lunch | (12:00-1:15) | ALL |
| G. | SIS / SIL – How To Do This | (1:15-2:15) | Angela Summers
SIS tech |
| H. | Emissions – Vent Leakage | (2:15-3:00) | Matthew Barfield
PROTEGO USA, Inc |
| 5. | Break | (3:00-3:30) | ALL |
| I. | Flow Considerations From Irregular Flow
Geometries and Cracks | (3:30-4:15) | Georges Melhem
ioMosaic Corp |
| 6. | Old and New Business
2017 Fall Meeting / 2018 Spring Meeting
CCPS Book / Computer Programs
2018 Elections
DIERS ByLaws – Student Membership | | Harold G. Fisher
Chair |

DIERS USERS GROUP MEETING AGENDA
ERS Design / Testing Methodology

Wednesday 8:00 AM - 3:00 PM
April 26, 2017

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| 1. | Welcome | (8:00-) | Harold G. Fisher
Chair |
| 2. | Technical Presentations | | |
| A. | Review of HSE's "Guidelines for the Safe Design and Operation of Shell and Tube Heat Exchangers to Withstand the Impact Of Tube Failure | (8:00-8:30) | Dustin Smith
Smith & Burgess |
| B. | Revisiting Pressure Relief Sizing Methods (Draft New Russian Standard) | (8:30-9:00) | Leonid Korelstein
PSRE (Truboprovod) |
| C. | Calculation of Time to Failure of Vessels Exposed to Fire Exposure | (9:00-10:00) | Georges A. Melhem
ioMosaic Corp |
| 3. | Break | (10:00-10:30) | ALL |
| D. | Handling Slurry in Emergency Relief Systems (ERS) Design | (10:30-12:00) | Dilip Das
Design And Safety |
| 4. | Lunch | (12:00-1:15) | ALL |
| E. | BHOPAL: LOPA Analysis | (1:15-2:30) | Harold G. Fisher
FisherInc |
| 5. | Adjourn | (3:00-) | ALL |