

DIERS Users Group Meeting Agenda
Mathematical Modeling of ERS Design

Monday 8:00 AM – 5:15 PM
October 13, 2014

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|----|--|---------------|---|
| 1. | Welcome | (8:00-8:15) | Harold G. Fisher
Chair |
| 2. | Technical Presentations | | |
| A. | What is New with SuperChems v7.24
for DIERS | (8:15-9:15) | Georges A. Melhem
ioMosaic Corp. |
| B. | Statistical Review of Runaway Kinetics | (9:15-10:00) | Enio Kumpinsky
Ashland, Inc. |
| 3. | Break | (10:00-10:30) | ALL |
| C. | Runaway Reaction Calculation for Specific
Isocyanates | (10:30-11:00) | Ping Zhao (Auther)
Naha Rajan
Bayer Technology Svc. |
| D. | Contents of SuperChems for DIERS
Handbook | (11:00-11:30) | Dilip Das
Bayer CropScience |
| E. | Update on the Relief Valve Stability
Project (API/PERF) | (11:30-12:00) | Dustin Smith
Smith & Burgess LLC |
| 4. | Lunch | (12:00-1:15) | ALL |
| F. | An Overview of the API Simple Force
Balance Method for PR Stability | (1:15-2:15) | Georges A. Melhem
ioMosaic Corp. |
| G. | Pressure Vessel Blowdown Modeling | (2:15-3:00) | Joseph Leung
Leung, Inc. |
| 5. | Break | (3:00-3:30) | ALL |
| H. | Minimum Requirements for Relief
Systems Documentation Based on a
Review of OSHA Publications | (3:30-4:00) | Dustin Smith
Smith & Burgess, LLC |
| I. | Overpressure Protection by System Design
According to UG-140 of ASME VIII | (4:00-5:15) | Dilip Das
Bayer CropScience |
| 6. | Adjourn | (5:15-) | ALL |

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

Tuesday 8:00 AM – 5:00 PM
 October 14, 2014

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| 1. | Welcome | (8:00-8:05) | Harold G. Fisher
Chair |
| 2. | Minutes | (8:05-8:10) | Robert D'Alessandro
Secretary |
| 3. | Chairman's Report | (8:10-8:30) | Harold G. Fisher
Chair |
| 4. | Committee Reports | (8:30-9:00) | Chairs |
| 5. | Technical Presentations | | |
| A. | DIERS ByLaws / Membership / Dues | (9:00-10:00) | Marc Levin
Shell Canada Ltd. |
| 6. | Break | (10:00-10:30) | ALL |
| B. | Dynamics of DSOPRVs with Inlet
Piping in Gas Service, PART II | (10:30-11:30) | Ken Paul
Michael D. McNeely
PENTAIR Valves |
| C. | Importance of PSI for Pressure Relief
Analysis Management | (11:30-12:00) | Nancy Faulk
Siemens Energy, Inc. |
| 7. | Lunch | (12:00-1:15) | ALL |
| D. | Effective Modeling of Body Bowl Choking | (1:15-2:15) | Georges A. Melhem
ioMosaic Corporation |
| E. | An Expert's View of Incident Investigation | (2:15-3:00) | Peter Howell
Mark V, Inc. |
| 8. | Break | (3:00-3:30) | ALL |
| 9. | Old / New Business | (3:15-5:00) | Harold G. Fisher
Chair |
| A. | Spring 2015 GCPS | | Wayne Chastain |
| D. | Spring EDUG Meeting | | Harold G. Fisher |
| E. | DIERS New Initiatives | | Selected Persons / All |
| 10. | Adjourn | (5:00-) | ALL |

DIERS USERS GROUP MEETING AGENDA
ERS Design / Testing Methodology

Wednesday 8:00 AM - 3:00 PM
October 15, 2014

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| 1. | Welcome | (8:00-8:05) | Harold G. Fisher
Chair |
| 2. | Technical Presentations | | |
| A. | An Issue on Gas Generation Rate Testing
And Emergency Relief System Design | (8:05-8:45) | Guibing Zhao
Chilworth Global |
| B. | Testing and Vent Sizing Using Analytical
Methodologies: A refresher | (8:45-9:30) | Chuck Kozlowski
Fauske & Associates, LLC |
| C. | Pressure Relief Valve Sizing Concerns for
Valves in Ethylene, Propylene, and Ethane
Service | (9:30-10:00) | Dustin Smith
John Burgess
Smith & Burgess LLC |
| 3. | Break | (10:00-10:30) | ALL |
| D. | Round-Robin Vinyl Acetate Solution
Polymerization – Runaway Reaction
Modeling and Vent Sizing Results | (10:30-11:15) | Joseph Leung
Leung, Inc. |
| E. | Round-Robin Calculation Exercise - Flow
and Vessel Blowdown Transient
Calculations | (11:15-11:30) | Joseph Leung
Leung, Inc. |
| F. | Runaway Reactions in Blocked Centrifugal
Pumps | (11:30-12:00) | Aristides Morillo
Shell Global Solutions |
| 4. | Lunch | (12:00-1:15) | ALL |
| G. | Rigorous Vinyl Acetate Free-Radical
Polymerization Kinetics and Emergency
Relief System Design Cases | (1:15-2:00) | Harold G. Fisher
FisherInc |
| H. | Scope of DIERS Basic ERS Design Course | (2:00-2:30) | Dan Smith
Albemarle Corp.
Dilip Das
Bayer CropScience |
| I. | Changes in API STD 521, A Comparison
of the 6 th Ed (2014) and 5 th Ed (2007) | (2:30-3:00) | Dustin Smith
John Burgess
Smith & Burgess LLC |
| 5. | Adjourn | (3:00-) | ALL |