

# Joint DIERS Meeting 2015 in Duesseldorf / Germany

Conference Hotel: Maritim Hotel Duesseldorf Airport, Maritim-Platz 1, D-40474 Duesseldorf  
 Homepage: <http://www.maritim.com/en/hotels/germany/hotel-duesseldorf/hotel-overview#>

## Agenda for DUG / EDUG Joint Meeting

10th June 2015  
 Wednesday

### Session I

|       |                     |          |   |
|-------|---------------------|----------|---|
| 08:30 | Fisher / Schmidt    |          | Welcome   |
| 08:45 | Penno               | Rembe    | Welcome   |
| 09:00 | John Hauser         | PROSAF   | Report Relieving Pressure for Complex Systems of Vessels  |
| 09:30 | Kenneth Paul        | PENTAIR  | Dynamics of direct spring operated pressure relief valves with inlet piping: a summary of recent work |
| 10:30 | <b>Coffee Break</b> |          |   |
| 11:00 | Georges Melhem      | ioMosaic | Modeling of Dynamics for PRV Stability for Liquid Systems<br>Update on API Sponsored PERF-II Study    |
| 12:00 | <b>Lunch</b>        |          |   |

### Session II

|       |   |                         |   |
|-------|---|-------------------------|---|
| 13:15 | Josep Basco   | Lyondellbasell          | API 520 Part II Engineering Analysis concept applied to safety valves with inlet pressure drops greater than 3% |
| 13:45 | N.N.<br>Tobias Dannenmaier  |                         | Safety Integrity of Mechanical Safety Devices   |
| 14:15 | Jürgen Schmidt<br>Oliver Odenwald   | CSE-Institut<br>BASF SE | European Program on Experimental Investigation of PRV Stability   |
| 15:00 | <b>Coffee Break</b>   |                         |   |
| 15:30 | Jürgen Schmidt<br>Jens Denecke  | CSE-Institut            | Center of Safety Excellence - Research in Process and Plant Safety  |
| 16:00 | Gabe Wood<br>Jens Conzen  | Fauske & Associ.        | Modeling and Computation of Reaction Forces on Relief Piping During Depressurization                            |
| 16:30 | Dustin Smith<br>John Burgess  | Smith & Burgess         | PRV Stability Modeling and Reality  |
| 17:00 | <b>End of Meeting</b>   |                         |   |
| 19:30 | <b>Typical German Dinner at the Famous Brewery Restaurant "Uerige" (Düsseldorf Historic Center)</b> |                         |   |

11th June 2015  
 Thursday

### Session III

|       |  |   |   |
|-------|--|---|---|
| 08:30 | Arthur Graham                                | Syngenta                                  | My Experiences with Autocatalytic Decompositions  |
| 09:00 | Michael Kennedy                              | SPDS Ltd                                  | Scaling up Emergency Venting Studies in a 20 Litre Autoclave                            |
| 09:30 | Peter Ralbovsky                              | Netzsch                                   | New Tools and Methods for Thermal Hazards Screening and Fire Exposure Testing           |
| 10:00 | <b>Coffee Break</b>                          |   |   |
| 10:30 | Hans Fauske<br>Mike Grolmes<br>Harold Fisher | FAI (Thur)<br>Centaurus Tech<br>FisherInc | Preventing Pressure Relief Oversizing and Assuring Stable PRV Operation                 |
| 11:15 | Russell Merriam                              | Farris                                    | PRV 2-Phase Discharge Coefficient - Comparison of Current Methodologies or Lack Thereof |
| 12:00 | <b>Lunch</b>                                 |   |   |

### Session IV

|       |                   |             |   |
|-------|-------------------|-------------|---|
| 13:15 | Simon Egan        | Solvay      | It's a washout : learning lessons from the clean out of a stock tank"           |
| 14:00 | Leonid Korelstein | Truboprovod | Choked and Near-Choked Real Gas and Two-Phase Flow Analysis of Discharge Piping |

|       |                       |                |  |
|-------|-----------------------|----------------|--|
| 14:45 | <b>Coffee Break</b>   |                |  |
| 15:15 | Joseph Leung          | LeungInc       | VAM Round-Robin Design Problem (Discus. and Summary of Results)            |
| 16:15 | N.N.                  |                | Measurements on Vessel Wall Temperature during Hydrocarbon Pressure Relief |
| 16:45 | Davide Moncalvo       | Braunschweiger | Flammenfilter  |
| 17:15 | <b>End of Meeting</b> |                |  |

19:30 **REMBE Dinner at the MARITIM-Hotel**

12th June 2015  
Friday

#### **Session IV (BURSTING RELIEF DAY)**

|       |   |          |   |
|-------|---|----------|---|
| 07:30 | Departure to Rembe Brilon (Bus Tour)  |          |   |
| 10:00 | Guided Tour at REMBE<br>LIVE Demo on Bursting Disc Laser Manufacturing Technology<br>LIVE Demo on Explosion Pressure Relief Devices |          |   |
| 12:00 | <b>Lunch (Downtown Brilon)</b>  |          |   |
| 13:00 | Sara Claramunt<br>Jürgen Schmidt  |          | Sizing of Bursting Disk Vent Lines for Two-Phase Flow                           |
| 13:30 | Joseph Leung  | LeungInc | Methods to Characterize Non-Equilibrium Flow Behavior in Pressure Relief Valves |
| 14:30 | Mondie Mutegi<br>Jürgen Schmidt   |          | Experimental Investigation on Bursting Disks in Two-Phase Flow                  |
| 15:00 | <b>Coffee Break</b>   |          |   |
| 15:30 | <b>End of Meeting</b>   |          |   |
| 15:30 | Shuttle transfer back to Duesseldorf Maritim Hotel / Airport / Main Station   |          |   |
| 18:00 | Arrival in Duesseldorf  |          |   |