

2019 Joint DIERS User Group Meeting in Karlsruhe / Germany



Agenda

Conference Venue: Hotel Erbprinzen, Rheinstraße 1, 76275 Ettlingen, Germany

22nd May 2019

Wednesday

08:00 Registration

Session I Welcome

08:30	Jürgen Schmidt / Georges Melhem	CSE Center of Safety Excellence / ioMosaic	Welcome to Joint DIERS User Group Meeting
08:40	Stefan Penno	REMBE® Safety + Control	Welcome to Joint DIERS User Group Meeting

Session II Valve Instability

08:45	Georges Melhem	ioMosaic	Getting a Handle on PRV Stability Dynamics with Case Studies
09:30	Hizao Izuchi	Chiyoda Corporation	PRV Stability Study for Control Valve Outlet Piping
10:00	Dustin Smith	Smith & Burgess	Oddities of Long Inlet Lines Part 1 - Review of Test Data
10:45	Coffee Break		
11:15	Jürgen Schmidt	Center of Safety Excellence	European Program on Evaluation of Safety Valve Stability
12:00	Lunch		
13:00	Dustin Smith	Smith & Burgess	Oddities of Long Inlet Lines Part 2 – Consequences on Modeling
13:45	John Burgess	Smith & Burgess	Unintended Consequences of Relief Device Piping Modifications
14:15	Csaba Hos	Budapest University	Predicting valve chatter in liquid and gas service
14:45	Josep Basco	Basell Poliolefinas Ibérica	Back to basics: pressure relief valve specification sheet according to IEC 61511
15:30	Coffee Break		

Session III Reaction Calorimetry

16:00	Marc Levin / Cornelius Ivory	Washington State University	Multiphysics Modeling of APTAC Cell Behavior-Effect of Fill Level on Thermal Inertia
16:30	Gabe Wood	Fauske	Using VSP2 to Perform Relief Sizing on Epichlorohydrin Chemistry
17:00	End of Meeting		

19:15 **Meeting point: Hotel Erbprinzen Main Entrance**

19:30 **Typical German Dinner at the Brewery "Vogelbräu" in Ettlingen**

Location: Vogelbräu, Rheinstraße 4, 76275 Ettlingen (across the street from the Hotel Erbprinzen)

23rd May 2019

Thursday

Session IV Pressure Relief & Sizing I

08:30	[n.n.]	[n.n.]	[Presentation will be submitted later]
09:00	Georges Melhem	ioMosaic Corporation	Modeling the Dynamics of Heat Exchanger Tube Rupture
09:45	Mondie Mutegi	Center of Safety Excellence	Sizing Rupture Disk Vent Line Systems for High-Velocity Flows
10:30	Coffee Break		
11:00	Caroline Ladlow	Kindlow Safety Services	Lessons learned: Polymerization of an IBC
11:30	Markus Gödde	BASF	IBC pressure relief and transport regulation
12:00	Lunch		
13:00	Jürgen Schmidt	Center of Safety Excellence	Safety 4.0: A Future Vision of Process and Plant Safety
13:30	Team REMBE	REMBE® Safety + Control	Group Workshop: Practitioners Training on Application and Implementation of Bursting Disks

14:00 **Bus transfer to CSE Center of Safety Excellence**

Location: CSE Center of Safety Excellence, Joseph-von-Fraunhofer-Straße 9, 76327 Pfinztal

Session V CSE Center of Safety Excellence

14:30	Official Opening of a new high pressure certification and test facility for safety devices by CSE Center of Safety Excellence and ICT Fraunhofer		
16:00	Bus trip to Heidelberg		
17:30	Castle visit		
18:45	Short walk through Heidelberg		
19:30	Conference Dinner at Kulturbrauerei Heidelberg		
	Location: Kulturbrauerei, Leyergasse 6, 69117 Heidelberg		
22:15	Bus transfer to Hotel Erbprinz		

24th May 2019

Friday

Session VI Chemical Reactions and Reactive Hazards

08:30	Aristides Morillo	Shell Global Solutions	Mitigation of a reactive case by instrumentation in lieu of relief device: Case study
09:00	Johannes Biernath	Center of Safety Excellence	SmartHIP Smart Technology for High Integrity Overpressure Protection
09:30	John Hauser	PROSAF Inc.	Fire Exposure of Low Volatility Liquids
10:00	Johannes Single	Center of Safety Excellence	ExpertRisk – Computer Aided Hazard Identification for Process Plants.
10:30	Coffee Break		
11:00	Simon Egan	Solvay	Lessons from the thermal runaway of a semi-batch reaction
11:30	Dilip Das	ioMosaic	Streamlining ERS Design for Reactive Systems
12:00	Freeman Self	Bechtel	Cracking of Petroleum Resid - Model Development
12:30	Lunch		

Session VII Pressure Relief & Sizing II

13:45	Stefan Rüsenberg / Jürgen Schmidt	REMBE® Safety + Control / Center of Safety Excellence	Multi-component multi-flashing 2-phase-flow through bursting discs provided by CSE PROSaR
14:15	Natalie Schmidt	Center of Safety Excellence	Modelling of inbreathing on storage tanks
14:45	Leonid Korelstein / Elena Yudovina	NTP Truboproved	PASS/HYDROSYSTEM Piping Flow Analysis Software: New Opportunities and Ongoing Projects
15:30	Closing discussion		
16:00	End of the meeting		