

## 2023 Joint US and European DIERS Meeting September 4-7, 2023

**CALL FOR ABSTRACTS - DEADLINE EXTENDED**



### ***Come Present Your Findings to DIERS!!!***

The Call for Abstracts for the 2023 Joint US and European DIERS Meeting is now open. Abstracts are required for all presenters. Please submit abstracts as soon as possible, but no later than **July 21, 2023**.

DIERS welcomes presentations on any subject pertaining to runaway reactions, equipment overpressure, and pressure relief. Presentations will be 25 minutes in length with 5 minutes for discussions. Presentations on topics, including vessel and vent flow dynamics, reactivity measurement and modeling, case studies, tutorials, advances in modeling, and new project ideas are welcome. See the accompanying list for more elaboration.

The 2023 Joint US and European DIERS Meeting will be held in Braunschweig, Germany and additional meeting details can be found at <https://www.iche.org/diers>.

To submit an abstract, email the following information to [diersmeeting@iche.org](mailto:diersmeeting@iche.org).

- **Name and title of the proposed presentation**
- **Best contact information: email, phone**
- **Abstracts should be one paragraph long, max. 200 words**

Abstracts will be reviewed by the DIERS Program Committee and presenters will be sent formal abstract acceptance notes. The contact information for members of the DIERS Program Committee are:

- Brittany Armstrong: [brittany.armstrong@merck.com](mailto:brittany.armstrong@merck.com)
- Ben Doup: [doup@fauske.com](mailto:doup@fauske.com)
- Garrett Dupre: [garrett.dupre@grace.com](mailto:garrett.dupre@grace.com)
- Harold Fisher: [fisherhg@charter.net](mailto:fisherhg@charter.net)
- Freeman Self: [feself@bechtel.com](mailto:feself@bechtel.com)
- Min Sheng: [s25011@hotmail.com](mailto:s25011@hotmail.com)

Professional Development Credits for attendance at DIERS meetings are available upon request.

### DIERS Spring 2023 Meeting Sponsors

Contact John Ellertson at [johne@iche.org](mailto:johne@iche.org) or (646) 495-1320  
for information regarding sponsorship of the 2023 Joint DIERS Meeting.



# Proposed Topics for the 2023 Joint DIERS Meeting

## **Review and Application of Existing DIERS Technology**

- Case studies illustrating the implementation of DIERS ERS technology
- Case studies of safeguarding of runaway reactions
- Review of previous DIERS discussions/presentations on a specific topic
- Sizing of low pressure valves

## **Incident Investigations**

- CSB and other's investigation results
- Learnings from meeting attendees (i.e., their companies)

## **Modelling and Simulation**

- Pressure relief valve stability methods
- Modeling of pool and jet fires
- Relief design for systems with solids
- Dispersion analysis
- Heat and mass transfer in low pressure storage tanks

## **Experimental Method**

- Experimental design and interpretation of calorimeter data
- Calorimeter development for reactivity evaluation
- Experimental studies on specific systems
- ASTM developments

## **ERS Hardware**

- Relief device characteristics, performance, operational behavior, problems, etc.

## **Codes, Standards, Regulations, and RAGAGEP**

- API, ASME, EPA, ISO, EN, NFPA, and OSHA developments
- Transport of hazardous material
- Safe discharge locations

## **Safety in Energy Storage Systems**

- Batteries – calorimetry testing and modeling
- Hydrogen storage and transport
- Hydrogen fuel cells

## **Miscellaneous**

- HAZOP analysis
- Explosion prevention
- Artificial intelligence in process and plant safety