



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

The Call for Abstracts for the DIERS Spring Meeting is now open. Abstracts are required for all presenters. Please submit abstracts as soon as possible, but no later than **March 3, 2025**.

The focal topic for this DIERS meeting is: "**Railcar Safety Systems**".

In addition, DIERS welcomes presentations on any subject pertaining to runaway reaction, equipment overpressure, and pressure relief. See the accompanying list for more elaboration.

To arrange a presentation, contact:

Harold Fisher: (775) 297-3117; [fisherhg@charter.net](mailto:fisherhg@charter.net)

Ben Doup: (312) 415-5450; [doup@fauske.com](mailto:doup@fauske.com)

Please adhere to the following guidelines for abstract submission.

**NEW abstracts** please submit via **AIChE's Confex platform here**.

Should you have issues contact Ben Doup or Harold Fisher at contact information listed above.

- **Name and title of the proposed presentation**
- **Length of time required for presentation (30, 45 or 60 minute time slots available)**
- **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:

Garrett Dupre: [garrett.dupre@grace.com](mailto:garrett.dupre@grace.com)

Freeman Self: [feself@bechtel.com](mailto:feself@bechtel.com)

Min Sheng: [s25011@hotmail.com](mailto:s25011@hotmail.com)

## DIERS Spring 2025 Meeting Sponsors

Contact John Ellertson at [johne@aiche.org](mailto:johne@aiche.org) or (203) 788-4744 for information regarding sponsorships of the Spring DIERS meeting.

## Example Topics for the Spring 2025 DIERS Meeting

### **Focal Topic: Railcar Safety Systems**

- DOT regulations
- Summary of past incidents
- Railcar PSV design
- Considerations for shipping reactive vs non-reactive chemicals
- Reaction inhibitor requirements - concentration, effectiveness, expected life
- Railcar insulation and effectiveness during fire exposure
- Emergency response - leak rate, dispersion analysis

### **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

### **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

### **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, 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