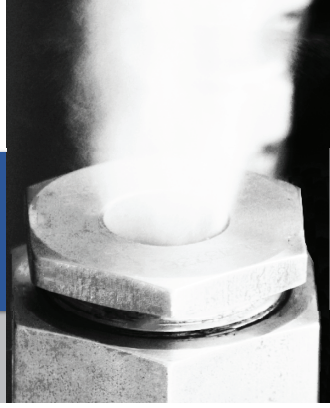
DIERS

Spring 2025 Virtual Meeting
April 30 - May 2



CALL FOR ABSTRACTS

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 17, 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
Ben Doup: (312) 415-5450; 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
Freeman Self: feself@bechtel.com
Min Sheng: s25011@hotmail.com

DIERS Spring 2025 Meeting Sponsors

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

DIERS

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