



2024 Fall Meeting Announcement

Presented by: Ben Doup

April 24, 2024 | DIERS 2024 Spring Technical Meeting

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April 2024 Meeting



Fall 2024 DIERS Users Group Meeting Announcement

Program Committee Members

Benjamin (Ben) Doup, PhD

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Brittany Armstrong, PhD

- Program Committee Member
- Merck & Co., Inc.
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Garrett Dupre,

- Program Committee Member
- W.R. Grace & Co.
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Min Sheng, PhD, PE

- Program Committee Member
- East China University of Science and Technology
- Email: s25011@hotmail.com

Meeting Details

Dates

- October 28 – 30, 2024

Location

- Hilton Garden Inn Houston/Galleria Area
 - [Hilton-garden-inn-houston-galleria-area](https://www.hilton.com/en/hotels/hgihouston-galleria-area/)



Meeting Details

Registration

- Must register through AIChE – *Details coming soon*

Meeting Sponsorship Opportunities are Available

- Contact John Ellertson at johne@aiche.org or (646) 495-1320 for more information



Focal Topic

High Energy Materials

- Explosives, deflagration risks, and electrostatic charge, shock and friction sensitive material
- Example materials include:
 - Organic Peroxides
 - Nitro or Nitroso compounds
 - O-(Diphenylphosphinyl)hydroxylamine
 - Rieder, C.J. and Smith, M.V., "An Unexpected Incident during the Manufacture of O-(Diphenylphosphinyl)hydroxylamine" Org. Process Res. Dev., 2021.
- Potential presentations include discussions on:
 - Experimental methods
 - Modeling techniques
 - Case studies

Other DIERS Related Topics

Review & Application of Existing DIERS Technology

- Case studies implementing DIERS ERS technology OR safeguarding of runaway reactions

Incident Investigations

- CSB and other's investigation results
- Learnings from meeting attendees

Modelling and Simulation

- Pressure relief valve stability methods
- Modeling of pool and jet fires

Experimental Method

- Experimental design and interpretation of calorimeter data
- Calorimeter development for reactivity

evaluation

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

Onsite Visit

Historically DIERS has included testing, manufacturing, and operating facility tours as an optional 4th day (Thursday, October 31) activity

- These tours are typically well received by the DIERS Community

DIERS would like to include an optional onsite visit at the upcoming Fall 2024 DIERS meeting in Houston, Texas

- If your company has a facility in the Houston Area and would be willing to provide a tour the DIERS community, please contact **Ben Doup, PhD** at doup@fauske.com or another program committee member to discuss a potential visit to your facility

PROTEGO Tour

at 2023 Fall Joint DUG/EDUG meeting





Local Restaurants

[Maggiano's Little Italy](#)

2019 Post Oak Blvd
Houston, TX 77056

[The Rustic](#)

1121 Uptown Park Blvd, Ste 4
Houston, TX 77056

[True Food Kitchen](#)

1700 Post Oak Blvd #180
Houston, TX 77056

[Moxies Houston Restaurant](#)

5000 Westheimer Rd
Houston, TX 77056

[The Capital Grille](#)

In Centre at Post Oak
Houston, TX 77056

[The Annie Café & Bar](#)

1800 Post Oak Blvd Suite 6170
Houston, TX 77056

[In the 1 BLVD Place](#)

[North Italia](#)

1700 Post Oak Blvd Ste 190
Houston, TX 77056

[Truluck's](#)

5350 Westheimer Rd
Houston, TX 77056

[FIG & OLIVE Tasting Kitchen & Bar](#)

5115 Westheimer Rd Suite C2500
Houston, TX 77056

[King Ranch Texas Kitchen](#)

1605 Post Oak Blvd
Houston, TX 77056

[The Capital Grille](#)

5365 Westheimer Rd
Houston, TX 77056

[Chama Gaúcha](#)

5865 Westheimer Rd
Houston, TX 77057

[Ruth's Chris Steak House](#)

5433 Westheimer Rd Suite 100
Houston, TX 77056

[Mastro's Steakhouse](#)

1650 W Loop S
Houston, TX 77027

[Willie G's Seafood](#)

1640 W Loop S
Houston, TX 77027

[McCormick & Schmick's Seafood & Steaks](#)

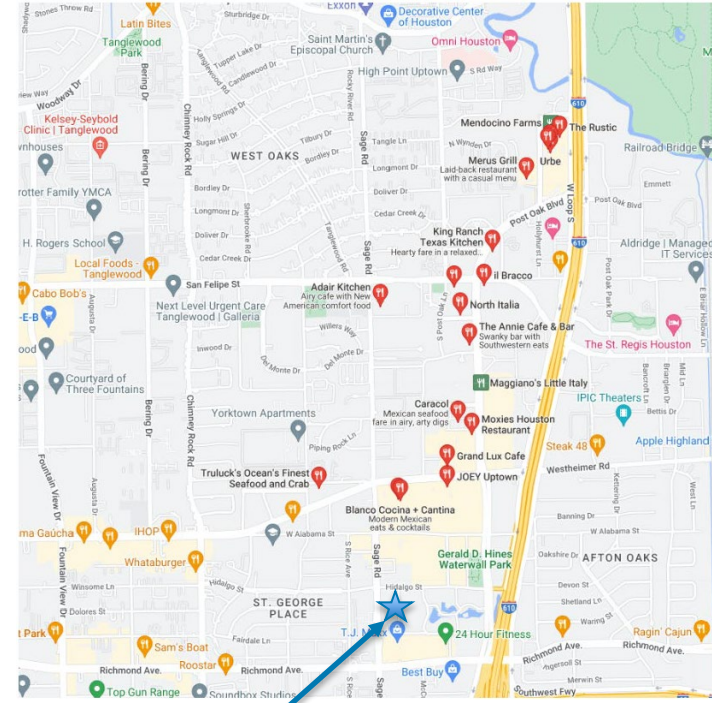
1151 Uptown Park Blvd Suite 01
Houston, TX 77056

[Uptown Sushi](#)

1131-14 Uptown Park Blvd
Houston, TX 77056

[51fifteen Cuisine & Cocktail](#)

5175 Westheimer Rd
Houston, TX 77056



Hilton Garden Inn