

SPECIAL POINTS OF INTEREST:

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- 2018 AICHE DIERS COURSES
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DIERS

The Newsletter of the Design Institute for Emergency Relief Systems

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SUMMER 2018

2019 Joint DIERS-EDUG Meeting

A joint [DIERS-EDUG](#) meeting is planned for **May 22-24, 2019** in **Karlsruhe, Germany**. The meeting will feature presentations from both DIERS and EDUG as well as a visit to the

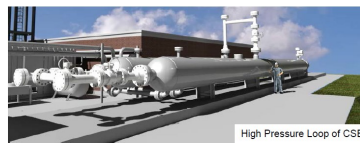


Center of Safety Excellence (CSE).

Topics for the meeting include: PRV stability, round-robin testing and calculation studies, PRV and rupture disk sizing methods, tank breathing, hazards analysis, and explosion characterization.

The visit to the CSE on the 2nd day of the conference will feature live-testing of a rupture disk and safety valve. There will also be explosion live-tests. A tour of the high pressure loop, capable of 3400 bar pres-

sure (nearly 50,000 psi) is included. CSE research project will be presented.



An evening program is also being arranged to include a typical German dinner at the Vogelbräu brewery, a visit to the 700-year old Heidelberg old town, and an excursion to the Heidelberg castle.



The meeting will be sponsored. U.S. participants would be responsible for U.S. domestic, international, and German domestic

travel. A head-count of attendees is needed!

U.S. attendees can fly overnight to Frankfurt, Germany, departing Monday, May 20 and return to the U.S. on Saturday morning, May 25. Alternatively, attendees can arrive early or leave later to tour other attractions while in Europe.

From Frankfurt, fast train connections are available to the Karlsruhe Central Station. A shuttle bus can then take you to the [Hotel Erbprinz](#) in the Karlsruhe old town ("Ettlingen"), where the joint meeting will take place.

Signal your intent on attending the meeting by notifying Harold Fisher at fisherhg@suddenlink.net by Aug. 1, 2018.

For more information on the meeting agenda, logistics, or associated activities, please contact Harold Fisher.



Fall 2018 DIERS Meeting

The Fall 2018 DIERS meeting will be held **October 15-17, 2018** in **Houston, TX** at the **Hilton Garden Inn** in the bustling Galleria area. Look for the meeting notice in your email soon.

Abstracts for presentations are being accepted. Be sure to include this meeting in your presentation plans! Please contact Gabe Wood at Wood@Fauske.com or Harold Fisher at fisherhg@suddenlink.net to inform them of your talk.

Hotel room rates will again be \$169 per night (single/double occupancy) if you mention "DIERS" or the "Design Institute for Emer-



gency Relief Systems". The hotel will hold the block of rooms thru Sept. 30, 2018. Wifi in the guest rooms and meeting room is complimentary. A \$10/day parking fee applies.

Registration and payment for the meeting are handled through the AIChE website, [https://www.aiche.org/design-institute-emergency-](https://www.aiche.org/design-institute-emergency-relief-systems-diers)

[relief-systems-diers](https://www.aiche.org/design-institute-emergency-relief-systems-diers).

A meeting fee of \$125 per day covers meeting room rental, A/V, continental breakfast, lunch, and breaks.

Minutes for the Spring 2018 meeting have been posted on the website.

2018 AIChE DIERS Courses

Two additional offerings this year of the AIChE DIERS courses will take place in October.

The [Basic Emergency Relief Design course](#) is an introduction to basic pressure relief safety design with DIERS technology. It is scheduled for Oct. 2-4 in Houston, TX.

The [Advanced Emergency Relief System Design course](#) covers application of DIERS techniques for providing adequate pressure relief for runaway reactions and other pressure-producing events. It will be given Oct. 23-25 in

Houston, TX. Attendees of the Advanced course receive a copy of *Emergency Relief Systems Design Using DIERS Technology and Guidelines for Pressure Relief and Effluent Handling Systems* (2nd Edition).

Each course is taught by engineers with many years of experience as DIERS practitioners.

To register for the courses, visit <https://www.aiche.org/design-institute-emergency-relief-systems-diers>



CCPS Pressure Relief Book

The 2nd Edition (April 2017) of the CCPS “Guidelines for Pressure Relief and Effluent Handling Systems” is available for purchase! The book retails for \$320 **with a 35% discount for AIChE members** and can be purchased online at <https://www.aiche.org/ccps/resources/publications>.

The book includes a software link to download the legacy CCFLOW and TPHEM software for WINDOWS 7, 8, 8.1 and 10 operating systems configured as 32 or 64 byte systems. The new Super-Chems™ for DIERS program is included and compatible with WINDOWS 7, 8,

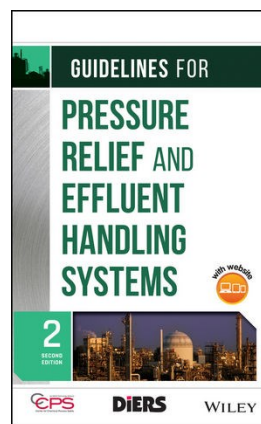
8.1 or 10 systems (XP is not supported by Super-Chems™).

This book is a must-have for practicing relief system designers. It provides in-depth guidance on how to design and rate emergency pressure relief systems. The book incorporates the current best designs from the Design Institute for Emergency Relief Systems as well as American Petroleum Institute (API) standards. It presents a methodology that helps properly size all the components in a pressure relief system.

Important Note: Be wary of purchasing this book from

unofficial sellers at substantial discount. Copies from such sellers can be missing the access codes for the valuable computer software tools! Be sure to purchase from the **AIChE** or **Wiley**.

Publish Date: April, 2017
ISBN No: 978-0-470-76773-3



Member Information & Website Access

Have you recently changed jobs? Retired? Failed to list your place of employment with the AIChE? Listed your home phone number as your primary contact?

Members should contact AIChE Customer Service at 1-800-242-4363 to update their membership information. When AIChE membership is renewed, information is simply car-

ried over from one year to the next, unless you specifically change it. It is worthwhile to update your contact information!

Dues-paying members are entitled to access to the DIERS website where meeting minutes and presentations reside. If you have recently joined DIERS, you should have received an email with a temporary password and website registration instruc-

tions. Send an email to marc.levin@wsu.edu if you do not have website access or you encounter problems.



Project Updates

Multiple DIERS research projects continued to be worked. These include (1) Pressure relief valve two-phase flow model selection and (2) Ammonia relief. Earlier projects, such as impact of weather conditions on the protection of low pressure and atmospheric storage tanks as well as fire exposure of low volatility liquids, have been completed and are being documented for dissemination.

Progress in each of these projects is presented at the twice-annual technical meetings (the next will be Oct. 15-

17, 2018).

Descriptions of the projects are available at

<http://www.iomosaic.com/diersweb/research.aspx>



If you have interest in participating in one of these projects or have interest in another topic that could become a project, please contact Greg Hendrickson at

HENDRGG@cpchem.com

Website

Visit www.aiche.org/DIERS for information on the Design Institute for Emergency Relief Systems, such as

- upcoming meetings
- research projects
- courses
- software
- elections
- recent communications, and
- list of current officers and operating committee members
- membership (including tools to facilitate joining).

Contacts

For more information about DIERS, contact Harold Fisher at fisherhg@suddenlink.net

Calendar

- Aug. 1 Response for Joint DIERS-EDUG Meeting
- Oct. 2-4 DIERS Basic Course (Houston)
- Oct. 15-17 Fall 2018 DIERS Meeting (Houston)
- Oct. 23-25 DIERS Advanced Course (Houston)

