

DESIGN INSTITUTE FOR EMERGENCY RELIEF SYSTEMS
of the American Institute of Chemical Engineers

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February 21, 2022

1. DIERS Fall 2021 Virtual Meeting

The DIERS Fall 2021 Virtual Meeting in October was a success. Comments from attendees were favorable with several suggestions for improvements. Action is being taken to make the next meeting even better. Attendance was 85 with 22 technical presentations. Minutes of the meeting linked with all of the presentations have been posted to the DIERS website.

2. DIERS Spring 2022 (May) Virtual Meeting

The DIERS Spring 2022 Virtual Meeting in May will use the Microsoft Teams (free software) to conduct a three-day (May 11 (Wed) - 13 (Fri), 2022) meeting to cover what you need to know to size emergency pressure relief devices for runaway chemical reactions and two-phase vapor-liquid flows. The meeting will be held over a three-day period meeting at a cost of \$125 per day for one, two, or all three days. The last day to register is Friday, **May 6, 2022. *Register before Friday, April 22 to receive a discounted registration rate of \$105 per day.*** A Call for Presentations has been issued. An agenda for the meeting will be published and posted on or about March 15, 2022. Professional Development Credits for attendance at DIERS meetings are available upon request. Attendance at this and future DIERS meetings is limited to those who have paid their 2022 DIERS calendar year dues before or at the time of registration for the DIERS meeting.

3. AIChE / DIERS Emergency Relief System Design Courses

AIChE / DIERS BASIC and ADVANCED Courses are conducted by highly qualified DIERS members throughout the year. Consult the AIChE or DIERS website to find the dates and venues.

4. CCPS Guidelines Book

The 2nd Edition (April 2017) of the “Guidelines for Pressure Relief and Effluent Handling Systems” has been published by CCPS, AIChE, and DIERS. Go to www.aiche.org/ccps. Click

on "Publications" and then "Books". Scroll down the page to find the "Guidelines for Pressure Relief and Effluent Handling" image (green text on white, grey, and black background) and then click on the book. This should have the following URL

<https://www.aiche.org/ccps/resources/publications/books/guidelines-pressure-relief-and-effluent-handling-systems-2nd-edition>.

Scroll down the page and click on "GET THIS BOOK". The page with the purchase details will open.

<https://www.wiley.com/en-us/Guidelines+for+Pressure+Relief+and+Effluent+Handling+Systems%2C+2nd+Edition-p-9780470767733>

The print version of the book retails for \$332.75 while the e-book version retails for \$266.00. Each comes with a 35 percent discount for AIChE members. *Contact AIChE Customer Service at (800) 242-4363 (203-702-7660 outside the U.S.) for the discount code to apply during purchase.*

Software having estimated development costs of approximately \$3MM is included with both the print and e-book versions. This includes the legacy CCFLOW and TPHEM programs and well as the new SuperChems™ for DIERS Lite program, which contains a large physical property data base. The software can be used for vapor, liquid or two-phase flows and can be downloaded for use with WINDOWS XP, 7, 8, 8.1, 10, and 11 operating systems configured as 32- or 64-bit systems.

Warning: Purchase of the book from vendors other than Wiley could result in getting the 1st edition or not getting the software access code.

BOOK Errata: Send an email to fisherhg@suddenlink.net with specific issues and replacement text, if possible.

5. SuperChems™ for DIERS

SuperChems™ for DIERS is an advanced digital simulation software tool for pressure relief design and is provided by ioMosaic Corporation to AIChE for license to individuals and corporations. The software is available for a one-time license acquisition fee of \$13,000 to include up to five users and an annual maintenance fee of \$2,200. New technology updates are provided on a periodic basis. *Training for this version of SuperChems is now available.* Contact the DIERS Chair for information on the program and how to license the software.

6. DIERS / Company Suggested or Sponsored Research Projects

A company attending an AIChE Loss Preventions meeting admitted that they did not necessarily have the staff or expertise to size emergency pressure relief systems for runaway reactions and/or two-phase vapor-liquid flow. The representative asked if others in the audience might also have concerns about these topics. Several were interested and an invitation was issued to attend a future meeting at which the topics could be discussed. Thus, DIERS was born after several years of careful planning and fund raising. Are there any topics of concern

that could become a DIERS self-help or DIERS- / company-funded project? If so, contact the Chair with your issues, ideas or thoughts for a possible DIERS project. NOTE: The DIERS Bylaws, posted on the www.aiche.org/diers website, contain procedures for formulating, managing and funding possible projects.

7. Member Information / No Access to DIERS Website

Access to the DIERS Membership list or the DIERS Meeting Minutes is restricted to the Name and Email Address used when you received your DIERS website password. Working from Home? Changed Jobs? Retired? Failed to list your place of employment? Listed your home phone number as your primary contact? Members should call AIChE customer service at 1-800-242-4363 and request changes to both their AIChE and DIERS contact information as necessary. Registration information from one year to the following year is just carried over and NOT necessarily updated unless specifically requested. DIERS cannot request changes to AIChE or DIERS member information maintained by AIChE.

New dues-paying members should have received an email with a temporary password and instructions as how to register on the website for access to the meeting minutes and presentations. Send an email or call Marc Levin (marc.levin2@gmail.com) if you have not received the registration instructions or have website access problems.

8. DIERS 2022 May Virtual Meeting

I look forward to greeting all of our members during our next DIERS Virtual Meeting in May 2022.

Harold G. Fisher
Chair, DIERS