

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

The AIChE and DIERS membership annual dues solicitation occurs in early August and is payable for the following year. Qualified persons with a STEM degree are invited to consider membership in the Design Institute for Emergency Relief Systems (DIERS). DIERS dues cover a calendar year period and are payable at the www.aiche.org/diers website or by calling AIChE Customer Service at 1-800-242-4363. DIERS dues must be current to attend DIERS meetings.

DIERS researched, investigated, and documented methodologies to design emergency pressure relief systems for runaway reactions involving two-phase vapor-liquid flow. DIERS members meet for three days twice a year to present and exchange the latest design information. Registration for DIERS meetings and meeting presentations dating back to 1999 are available to DIERS members on the www.aiche.org/diers website.

Those interested in the DIERS emergency pressure relief system design methodology are encouraged to purchase the recently (April 2017) published second edition of the “CCPS Guidelines for Pressure Relief and Effluent Handling Systems” book from AIChE / Wiley. AIChE members receive a 35% discount on the purchase price of the book. In addition to documenting the latest design information, three emergency relief system design computer programs (TPHEM, CCFLOW, and SuperChems™ Lite for DIERS) suitable for vapor, liquid, and two-phase flows and use with the Microsoft Windows XP, 7, 8, and 10 operating systems are included with the book.

SuperChems™ for DIERS is an advanced digital simulation software tool used for pressure relief design and provided by ioMosaic Corporation to AIChE for license to individuals and corporations. The software is available for a onetime license acquisition fee of \$12,500 to include up to five users and an annual maintenance fee of \$2,000. New technology updates are provided on a periodic basis. Training is available.

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