



GD Rupture Discs



SRK rupture discs before and after rupture



Overview

Topics

- ✓ SuperChems
- ✓ ERS Concepts
- ✓ SuperChems Wizards
- ✓ SuperChems Objects
- ✓ SuperChems Flow Models
- ✓ Modeling Flare Networks
- ✓ Report Generation & VLE Properties

Participants

This course is ideally suited for beginner, novice, or infrequent SuperChems users that are involved in the design and review of emergency relief systems.

Course Materials and Fee

Attendees will receive presentation summaries, exercises, and data for techniques currently employed in ERS design for non-reactive systems.

Fee: \$600

Fees for course include lunch and refreshments. They do not include hotel accommodations or travel, which are each participant's responsibility.

Course Outline

DAY 1

8:30 AM - 9:30 AM

INTRODUCTION

ioMosaic Corporation

SuperChems

ERS Concepts

9:30 AM - 10:15 AM

SUPERCHEMS WIZARDS

10:15 AM - 10:30 AM

BREAK

10:30 AM - 12:00 PM

SUPERCHEMS OBJECTS

Scenario Definition

Site Data

Vessel

Mixture

Relief Valve, Rupture Disc

12:00 PM - 1:00 PM

LUNCH

1:00 PM - 2:00 PM

SUPERCHEMS OBJECTS

Piping Isometric Layout

Site Data / Project Data

2:00 PM - 3:00 PM

SUPERCHEMS FLOW MODELS

Steady State Models

3:00 PM - 3:15 PM

BREAK

3:15 PM - 4:30 PM

SUPERCHEMS FLOW MODELS

Steady State Models

DAY 2

8:30 AM - 10:15 AM

SUPERCHEMS FLOW MODELS

Dynamic Calculation Models

10:15 AM - 10:30 AM

BREAK

10:30 - 12:00 PM

SUPERCHEMS FLOW MODELS

Dynamic Calculation Models

Unbalanced Heat Load Model

12:00 PM - 1:00 PM

LUNCH

1:00 PM - 2:00 PM

SUPERCHEMS FLOW MODELS

Unbalanced Heat Load Model

2:00 PM - 2:45 PM

MODELING FLARE NETWORKS

2:45 PM - 3:00 PM

BREAK

3:15 PM - 3:45 PM

MODELING FLARE NETWORKS

3:45 PM - 4:30 PM

REPORT GENERATION & VLE PROPERTIES

About your Instructor

Mr. Neil Prophet

Neil Prophet is a Senior Partner with ioMosaic Corporation and Manager of their Houston office. He has ten years experience in the field of Process Safety and has worked in a variety of process safety roles including consulting, technical support, technical sales, and training.

His current responsibilities within ioMosaic Corporation include performing Emergency Relief System Design Studies and conducting Quantitative Risk Analysis studies. Since joining ioMosaic Neil has been helping companies address increasingly demanding Emergency Relief System Design and Documentation Standards by providing site-wide solutions, training in the use of ioMosaic's SuperChems™ software, and corporation-specific Practical Relief System Design Training.

Mr. Prophet holds a Bachelor of Engineering in Chemical Engineering and a Postgraduate Diploma in Energy Systems & the Environment; both from the University of Strathclyde.



Enrollment Information

Enrollment for each course is limited. We suggest you register as early as possible. Please fill out the registration form online at: www.iomosaic.com. We accept payment by check, credit card, or company purchase order.

Telephone or fax reservations will also be accepted.

These training courses are designed to enhance the skills of professionals with new responsibilities and include proprietary ioMosaic material.

Times

Course registration and check-in begin one half hour before start time on the first day of each course. Each day, this course will typically run from 8:30 a.m. to 5:00 p.m.

Cancellations

Please notify us of cancellations in writing as soon as possible. Cancellations within two weeks of the course date are subject to a charge of 50% of the registration fee. If you fail to notify us of your cancellation before the course begins, you will be responsible for the full fee. There is no charge for substitutions.

Location and Lodging

This two-day course will be held October 6-7, 2009 at ioMosaic's Houston Office, 2401 Fountain View Drive, Suite 850, Houston, TX 77057, Tel: 713.490.5220. Please contact our Educational Services at 603.893.7009 to learn which hotel will be available for each course. Participants are responsible for making their own hotel reservations.

About ioMosaic

ioMosaic Corporation is a leading provider of process safety and risk management technology consulting services and software solutions. Our areas of expertise include runaway reactions and pressure relief design, consequence and risk analysis, fire and explosion dynamics, incident investigation, litigation support, training, mitigation design, hazard evaluation, and model development.

Contact Us

Contact us by email: support@iomosaic.com, by fax: 603.251.8384 or by phone at: 603.893.7009.

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