EngineeredSoftware, Inc.

FLO-Master Seminars

2010 Training Class Registration

The FLO-Master Seminars focus on the skills needed to effectively utilize FLOW OF FLUIDS fluid flow analysis software. Our emphasis is on demonstrating a step-by-step approach that will enable you to design, analyze, and troubleshoot fluid piping systems. Each attendee has use of a computer to gain hands-on experience in using FLOW OF FLUIDS to model a variety of typical piping system.

TRAINING OUTLINE

DAY 1 – BASIC TRAINING

PIPE-FLO INTRODUCTION

- ESI / PIPE-FLO/Flow of Fluids history
- Course objectives
- Program introduction
- Program interface
- System devices

BUILDING A SYSTEM

- Initiating a system
- Design files
- Pipe Specifications
- Fluid Specifications
- DXF files
- Placing devices on the FLO-Sheet
- Designing pipelines
- Copying items

SYSTEM CALCULATIONS

- Balanced flow & pressure calculations
- Most hydraulically remote loops
- Calculating a pump's design point
- Pump selection / evaluation
- Pump graph windows
- Calculating a valve's design point
- Valve specifications
- Color Gradients
- Modifying the FLO-Sheet

LINEUPS AND REPORTS

- Design case lineup
- Creating / copying Lineups
- Sizing a balancing orifice
- FLO-Links
- PIPE-FLO reports
- PIPE-FLO Viewer program
- PSV files

ENGINEERING DATA TABLES

- Downloadable data tables
- Table manager
- Customizing pipe tables
- Customizing valve and fitting tables
- Fluid Tables
- Custom pipe specifications

DAY 2 – PIPE-FLO SYSTEM EXAMPLES

ADVANCED PUMPS

- Advanced design point search
- Downloading pump catalogs
- Manual pump selection
- Manual pump data entry
- Energy cost analysis
- Fixed speed vs. VFD operation

USING X-LINK

- Enabling X-Link
- Query codes
- Querying data from PIPE-FLO
- Assigning data to PIPE-FLO
- X-Link controls

BALANCING SYSTEM EXPANSIONS

- Primary / Secondary systems
- Expanding a system
- Balancing after an expansion
- Pump reconfiguration
- Pipeline reconfiguration

CAMPUS CHILLED WATER SYSTEM

- Primary / Secondary / Tertiary system
- Sizing pumps in series
- Balancing building dP's

OVERTIME

- Dynamic time simulations
- Running an Overtime simulation
- Playback mode
- Results graphs
- Events
- Input curves

Class Registration

To register: call (888) 206-2779 or email sales@flowoffluids.com

Course fee: The registration fee of $995 includes the two-day seminar, course workbook, and lunch.

Cancellation Policy: If notification is received at least two weeks prior to the start of the course, credit may be granted to a later seminar date. No refunds are available for cancellations made less than 30 days prior to the start of the scheduled course. If for any reason we are required to cancel a class, our liability is limited to the return of the registration fee.

Guarantee: Engineered Software offers the highest quality training available. If you are dissatisfied for any reason, notify the instructor prior to the end of the first day and you may withdraw and receive a 100% tuition refund.

Class size: Limited to 12

Continuing Education Unit (CEU): Completion of the FLO-Master seminar is credited as 1.5 CEU's.

Course Fee: $995 per person

Courses are offered on the following schedule:

Edison, NJ – Sept 30-Oct 1 Baton Rogue, LA - October 28-29

Method of Payment (Check one):

❑Visa ❑MC ❑Amex ❑Purchase Order* ❑Check (Payable to Engineered Software)

Card Number: Exp. Date: Security Code:

Name On Card:

Signature:

Attendee Information

Requested Class Date:

❑ Edison, NJ – Sept 30-Oct 1 ❑ Baton Rogue, LA - October 28-29

Name:

Company: Title:

Address:

City: State: Zip:

Phone: Fax:

Diet Restrictions:

Please **Mail** this form with payment to:

Flow of Fluids
c/o Engineered Software, Inc.
4529 Intelco Loop SE, Suite A
Lacey, WA 98503-5941

For your convenience you may also:

Fax to: (360) 412-0672
E-mail to: sales@flowoffluids.com
Phone Registration is available from
7 A.M. to 3:30 P.M. PDT: (888) 206-2779
Or (360) 292-4070

* Invoice to be paid prior to beginning of class