SPED Update

Volume III, Issue 3

March 2010

SPED/HCC begins new Green Process Piper Class

SPED and Houston Community College have begun the first class of Green Process Piper training. Green Process Piping refers to special lectures and labs aimed toward cutting energy costs in pipe routing and sizing. Thirteen students were chosen for the initial class.

This training is funded by the American Recovery and Reinvestment Act (ARRA) Federal Funds through the Texas Workforce Commission and the Houston-Galveston Area Council.

The thirteen students were carefully selected for their education and experience. Candidates either had at least a two-year associate degree or sufficient industry experience to attract employers.

The training follows the basic Eight Module Plan used successfully for the Advanced Piper Training two years ago. It features special content and labs developed to make Pipe Drafters into Designers. It teaches about 'why' piping is designed.

Unemployed or Dislocated Workers with a 2 year AAS Degree or equivalent experience should apply. See the specific Unemployed or Dislocated Worker eligibility requirements at the Texas Workforce Commission Website at http://www.twc.state.tx.us/boards/wia/wia_guidelines.pdf.

continued on page 9

Process Technology (PTECH) Class; Larra Margerum, Instructing

Green Piper Students in the PTECH Lab at HCC Northeast Campus

February AVEVA PDMS Class a Success

In February, AVEVA conducted a free PDMS class for experienced Pipers. The week long class graduated eight Houston-area Piping Designers.

Class Picture: (from Right) Derek Lam, Roderick Abrea, Jerry Houser, Don Peters, Steve Ballard (Instructor), John Scotland, Steven Cervantes, Dennis Malinag and Daniel Accineli

SNC-LAVALIN AWARDED CARBON CAPTURE PROJECT IN SASKATCHEWAN

Montreal | March 4, 2010

SNC-Lavalin is pleased to announce that it has been awarded a contract to provide engineering, procurement and construction (EPC) services for SaskPower's Boundary Dam Integrated Carbon Capture and Sequestration (CCS) Demonstration Project.

The project involves transforming an aging unit at the coal-fired Boundary Dam Power Station near Estevan, Saskatchewan, into a source of clean electricity. This will be one of the world's first and largest commercial scale carbon capture plants.

"We are excited to have been selected for this very important project," said Patrick Lamarre, Executive Vice-President, SNC-Lavalin Group Inc.

"Meeting power needs in an environmentally-friendly manner is part of our Green Energy strategy. This contract is also a validation of our strategic focus on Saskatchewan where we are actively growing our permanent office in Saskatoon."

For this project, SNC-Lavalin will be working with Cansolv, a wholly-owned subsidiary of Shell Global Solutions, which will supply the carbon capture process design technology. Cansolv has also developed an innovative system of capturing sulphur dioxide at coal-fired power plants that will be integrated into the project alongside carbon dioxide capture.

SNC-Lavalin has started engineering and procurement activities, with the subsequent stage pending SaskPower's decision to advance the project to final construction.

SNC-Lavalin (TSX:SNC) is one of the leading engineering and construction groups in the world and a major player in the ownership of infrastructure, and in the provision of operations and maintenance services. SNC-Lavalin has offices across Canada and in over 35 other countries around the world, and is currently working in some 100 countries.

Canadian Corner

SPED and pipingdesign.com Establish SPED Canada Blog

SPED and pipingdesign.com have set up a special website for SPED members to discuss items of interest for Canadian Pipers. The website is http://spedcanada.pipingdesign.com/

SPED has many members in Canada who have unique needs and issues. All interested pipers are invited to discuss their profession on this board in a respectful and thoughtful way.

The blog has special pages entitled:

- About SPED Canada
- Alberta Job Market
- SPED PPD Certification
- Upcoming SPED Canada Events

General information on SPED and how to join is found at www.spedweb.com.

Postings have already made to the site. Paul Bowers, owner of pipingdesign.com will moderate the site.

Participation in the blog must be approved by the blog administrator.

Join Us For The SPED Calgary Kickoff Meeting!

INTRODUCING SPED CALGARY

KICKOFF RECEPTION AND MEETING FOR SPED CALGARY

Join us for the SPED Calgary Chapter Kickoff Reception and Meeting and find out what SPED is all about. Network with fellow Pipers, and hear about current trends in Piper employment, certification and licensing.

ONE-DAY SPED PPD LEVEL III REVIEW AND TEST

In conjunction with the Kickoff Reception and Meeting, SPED is offering the SPED PPD Level III Certification Review and Test for experienced Pipers. Dr. William Beazley will conduct the review immediately followed by the test.

KICKOFF RECEPTION AND MEETING

Sponsored by: AVEVA CONTINUAL PROGRESSION

Speakers:	William G. Beazley, PhD, P.E., Executive Director, SPED Perry Nelson, R.E.T., P.L. (Eng.), B.Mgmt. Registrar, ASET Hanno Tam, VP of AVEVA Canada
Date:	Thursday, April 8, 2010
Time:	5:30 P.M. - 7:30 P.M.
Location:	Hyatt Regency Hotel, Calgary
RSVP	mark.mckee@aveva.com

PPD LEVEL III REVIEW AND TEST

Hosted by: WorleyParsons resources & energy

Who Should Attend	Pipers with 5+ years of experience
Instructor:	Dr. William G. Beazley, Executive Director, SPED
Date:	Saturday, April 10, 2010
Time:	8:00 A.M. - 5:00 P.M.
Location:	WorleyParsons Canada, South Calgary Office
Member Registration Fees:	USD $200 *(Kickoff Event Price)*
Non-Member Registration Fees:	USD $300 *(Kickoff Event Price)*
Register:	Online at www.spedweb.com *Register by March 20th and get a bonus Online Review!*

9211 West Road, Suite 143-219, Houston, TX 77064 ·1.832.286.3404 www.spedweb.com

Upcoming Book in Process: Piping Design Handbook Series

The upcoming publication The Planning Guide to Piping Design by the Gulf Publishing Company is the latest addition to the Process Piping Design Handbook series. This is the third volume in a series of books orchestrated by the author, Peter Smith.

The first and second volumes, The Fundamentals of Piping Design and Advanced Piping Design, explain the basics of piping design through to the workings of process equipment and the layout of process piping systems.

This third volume, The Planning Guide to Piping Design authored by Richard Beale and Paul Bowers, explains the planning and management side of piping design and prepares the senior piping designer to move to the next level of a piping engineering lead (PEL).

Piping design has changed in two major ways in the last two decades. Firstly, Computer Aided Design (CAD) has supplanted manual drafting as the drafting tool for all projects. Secondly, experienced people were lost during the recessions of the eighties and nineties, and are still being lost due to the current economic climate and retirement.

Finished Spool

While there are many accomplished designers utilising CAD, reaching the level of a PEL to be able to lead a team of piping designers and the piping design effort from concept through to construction requires knowledge. Knowledge gained over many years of personal experience and the guidance of experienced mentors. Unfortunately, experienced mentors are increasingly in short supply.

PR Module with Temp Shipping Steel

While no book can replace an experienced mentor, The Planning Guide to Piping Design incorporates the six decades of combined experience of two piping designers who started their careers in the manual drafting world and have lived through the transition to 3D CAD. This book draws on their experience to integrate past proven management procedures with the capabilities of modern day CAD.

The Planning Guide to Piping Design covers all aspects of being a PEL. It gives step-by-step procedures and provides direction for the running of a successful piping design effort. It will prove to be a valuable resource to the piping designer aspiring to the PEL position, the current PEL looking for resource material, and the project engineer that has to fill the role of PEL.

A quote from Richard Beale:

"I had the privilege in my early years to work with some very senior piping leads who taught me the importance of attention to detail, not just in piping design itself but also in planning, monitoring and communicating piping design. Many of these piping leads have left the industry and it is up to those of us who had this good fortune to pass the torch. Organisational skills are essential for a PEL and this is the essence of the book backed up with explanations, tables and flowcharts. I believe that I've done justice to those 'old timers' who took the time to educate the young greenhorn."

A quote from Paul Bowers:

"One unintended consequence of the adoption of CAD technology has often been the fragmentation of piping designers' training, knowledge and experience into which software is being used. This was a natural outcome of the new tools being used and explored. Thirty years ago it did not matter if one used a Staedtler or Koh-I-Noor. Today's CAD tools are remarkable in their ability to facilitate 3D visualization, import/export data for engineering, procurement and construction purposes and to replicate designs. But it is important to recognize that machines only do what you tell them to do, and understanding in more detail the purpose of what you are "drawing" helps to create better designs and better designers. It is my hope that this book will be of interest to new piping designers/draftsmen/engineers and anyone else wanting to learn about the process of designing a process piping facility."

Pre-orders of any of the books in the series are available on www.gulfpub.com or for questions and purchases email store@gulfpub.com.

SPED EUROPE WEBSITE

SPED Europe now has a home. The online home for SPED Europe is **www.spedeurope.pipingdesigners.com**

20CC.co.uk, spedweb.com & pipingdesigners.com are working together to bring SPED to Europe.

This will provide a base for SPED information specific to a European audience, SPED contact information for Europe, and discussion forums.

We welcome all European SPED members, and piping designers who want to find out more about SPED Europe.

Take the Pledge!

100% CLUB
SPED Professional Piping Designers

Join the SPED PPD 100% Club

SPED PPD 100% Club members pledge that 100% of their Piping Designers will become certified as Professional Piping Designers (PPD). Documenting staff credentials are simple:

- 100% of current Piping Designers get PPD Certified within one year of joining the program.
- New hires become PPD Certified within one year of employment.

Once you sign up and become a member of the PPD 100% Club, you can display the Club logo.

The PPD 100% is exclusively for SPED Corporate Members. SPED supports PPD 100% Club Members by providing the following:

- A copy of the PPD Review Video to help Piping Designers prepare for PPD exams.
- On-Call testing at the SPED office. (Fees apply.)
- Onsite testing review with 20 or more participants. (Fees apply.)
- Assistance to members in applying for State Funds to defray training and testing costs.

The PPD 100% Club Benefits EPC Employers, Clients and Piping Designers!

Contact us for more information.

SOCIETY OF PIPING ENGINEERS AND DESIGNERS
SPED

www.spedweb.com • Phone 832.286.3404 • spedexec@spedweb.com

Executive Director's Notes: Three SPED Events in March

One of SPED's mission is to develop outreach and professional development opportunities for our members and PPD Certified Pipers. In February, SPED initiated three events in one week: Green Piper Program, AVEVA PDMS Training for unemployed pipers, and a PPD Level III Review and Test at SPAR 2010.

We focus on providing opportunities for our members to advance in their profession. Some of our efforts are directed toward keeping SPED Members informed, alert them to trends, provide reasonably priced training and opportunities to network.

Our Houston Chapter is definitely active, working on new events for Pipers in the near future.

William G Beazley, PhD
Executive Director, SPED

Sarah Evans gives a SPED brochure to a Conference attendee.

SPED at Spar 2010, and Digital Plant Conference

SPED participated in both Spar 2010 in the Woodlands, and the Digital Plant Conference in downtown Houston. Both events had solid attendance. We met Pipers from all over, distributing information about training and certification.

Dr. William Beazley, Executive Director, SPED, conducted a successful PPD Level III review and test on Wednesday.

PCA & FIATECH Announce Joint Operational Reference Data

Thursday, 25 February 2010 09:32

FOR IMMEDIATE RELEASE Austin, TX and Oslo, Norway, February 24, 2010--POSC Caesar Association (PCA) and FIATECH have agreed on a single “Joint Operational Reference Data” project plan to create in 2010 a stable, scalable and commercially-viable operation of the ISO15926 reference data system and associated services.

Boards of both member organizations have already agreed funding for the front-end phase to start in March, with a governance board and project manager already in place.

A key deliverable of this phase is the business model for the remainder of the investment project and the sustainable longer term operation, providing industry with free access to reference data in perpetuity. Existing and new members will be able to provide further investment in the implementation phases in the remainder of 2010.

“So much of what ISO15926 promises is already proven, and what industry now demands is a flexible, scalable and sustainable reference data operation on which business interoperability can depend. This joint FIATECH and PCA project will deliver that operation,” explains Ric Jackson, Director, FIATECH.

Nils Sandsmark, General Manager, PCA adds “the existing PCA reference data system and services have been developed over many years and were declared operational in 2009. PCA welcomes this opportunity to work with FIATECH to extend the global reach and scope of the joint reference data operation.”

“Come and see for yourself and share your expectations with us in ISO15926 workshops at the upcoming conferences,” adds Ian Glendinning, Joint Project Manager.

DigitalPlant Conference, Houston, TX www.daratechplant.com (1st to 3rd March), PCA Members Conference, Houston, TX www.posccaesar.org (4th March), and FIATECH 2010 Technology Conference & Showcase, Austin, TX www.fiatech.org (29th to 31st March) For more information contact Ian Glendinning at ian.glendinning@dnv.com This e-mail address is being protected from spambots. You need JavaScript enabled to view it .

ISO15926 – provides unambiguous shared reference data that enables interoperability across disparate business and technical systems throughout the whole energy and capital facilities industries life cycles. Reference data comprises content as a Reference Data Library (RDL) that is an extensible Work-in-Progress (WIP), enabled and supported by Reference Data Services (RDS). That reference data ranges from basic dictionary terms to sophisticated information usage patterns supporting the most advanced semantic web uses as well as simple file exchanges.

POSC Caesar Association - PCA started as a Norwegian R&D project in 1993 to develop open standards for information integration and interoperability and became the international PCA members association in 1997. Having created ISO15926, it continues to support its development and use, and currently operates the PCA Reference Data Service. See http://www.posccaesar.org

FIATECH - is an industry consortium that provides global leadership in identifying and accelerating the development, demonstration and deployment of fully integrated and automated technologies to deliver the highest business value throughout the life cycle of all types of capital projects. See http://fiatech.org

ECAD, Inc. Releases Mastering CADWorx P&ID Training Videos

Midland, TX (March 03, 2010) — ECAD, Inc. announced today the release of its COADE Intergraph Video Training Course for CADWorx P&ID titled Mastering CADWorx P&ID. This COADE Intergraph-approved training course incorporates all of the topics covered in a classroom setting, into one easy to follow training video.

The Mastering CADWorx P&ID Professional video is part of the CADWorx Video Training series. The Mastering P&ID Professional video breaks learning CADWorx P&ID into a few components: Creating Bid Drawings, Project Setup, Using a Database, Sharing Data, and Customization. Some of the topics covered include inserting a drawing into a database, managing configuration settings, customizing for company standards, transferring drawings between projects, converting existing AutoCAD drawings to CADWorx, and much more. The 8 hour course covers nearly every command inside of P&ID in project framework helping the user understand the power of P&ID for everyday use.

"We're excited by this opportunity that we are presenting to CADWorx users", says Kyle Pope, Process and Power specialist with ECAD. "We feel that these videos can be used in 3 different ways to provide options. Users can elect to watch the videos only, come to training for an instructor led experience and take a copy of the videos home for review, or work with an instructor in a combination course that is both hands on instructor and video oriented."

"My goal in making the video series was to document the features of P&ID and define best practices", said Dave Wolfe, video author. "I also felt that introducing users to the program through the natural progression of a project gives them the best understanding to create their own new intelligent P&ID's. By learning the detailed documentation within a project framework, users will be able to implement many successful piping projects."

Topics included in the video are:

•The creating bid drawings module covers basic drafting commands by familiarizing user with the buttons.

•The project setup section covers each of the setup files for P&ID and gives an introduction to CADWorx specs.

•In the "Using a database" section, database-specific P&ID commands will be introduced as well as the techniques to get reports and project information.

•The "Sharing Data" section covers methods to capitalize on the accessibility of the data in P&ID by teaching how to use Loops, Datasheets, CADWorx IP, and link to the P&ID View palette.

Included with the P&ID videos is a companion workbook for taking notes and following along with the instructor. The streamlined web interface allows users to pick up easily where they left off, or to get refreshed on an individual topic.

For more information regarding the training videos or for purchasing information, please visit http://www.ecadinc.com/PDOteam/index.php/store/products/pid/

About ECAD

ECAD, Inc. is the largest Autodesk Reseller headquartered in the state of Texas, with offices in Dallas, Houston, Midland, and El Paso, TX, also Tulsa, Oklahoma, Baton Rouge, LA, New Orleans, LA, and Mobile, AL. Our locations allow us to cover an area that includes all of Texas and Oklahoma as well as parts of Louisiana, Arkansas, Missouri, Kansas, New Mexico, Arizona, Mississippi, Alabama and Florida. We offer a complete line of Autodesk based engineering design software complemented by training, support and services. ECAD began operations in 1987 as a 2 man operation and has grown to include 10 offices in Texas, Oklahoma, Louisiana, and Alabama. For the past 15 years, our mission has been to provide an integrated solution including hardware, software, and professional services at a fair price. ECAD is a woman-owned Texas corporation.

Please Welcome Our New SPED Staff Member

Rachel Nichols is working on SPED Membership, making it an easy, smooth process going forward. With each membership package that's being sent out, a quality-of-service survey for new members is included. *Welcome, Rachel!*

Rig Counts Up

Recent Counts

Area	Last Count	Count	Change from Prior Count	Date of Prior Count	Change from Last Year	Date of Last Year's Count
U.S.	5 Mar 10	1396	+23	from 26 Feb 10	+226	from 6 Mar 09
Canada	5 Mar 10	543	-33	from 26 Feb 10	+244	from 6 Mar 09
International	January 2010	1047	+23	December 2009	+3	January 2009

Baker Hughes has issued the rotary rig counts as a service to the petroleum industry since 1944, when Hughes Tool Company began weekly counts of U.S. and Canadian drilling activity. Hughes initiated the monthly international rig count in 1975. The North American rig count is released weekly at noon central time on the last day of the work week. The international rig count is released on the fifth working day of each month. Read more at **http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm.**

SOCIETY OF PIPING ENGINEERS AND DESIGNERS

offers the following online courses:

PPD Piper BootCamp

Ends in Level I Certification Exam; Testing and Textbook included in fee

Process Plant Layout and Piping Design

Ends in Level III Certification Exam; Testing and Texbook included in fee

SESSION III 2010	SESSION IV 2010
March 22nd - May 30th	April 19th - June 25th
Register early and get $100 off (Offer ends March 12, 2010)	Register early and get $100 off (Offer ends April 9, 2010)

Register online at www.spedweb.com

9211 West Road, Suite 143-219, Houston, TX 77064 832.286.3404 www.spedweb.com

New project?
Staffing issues?

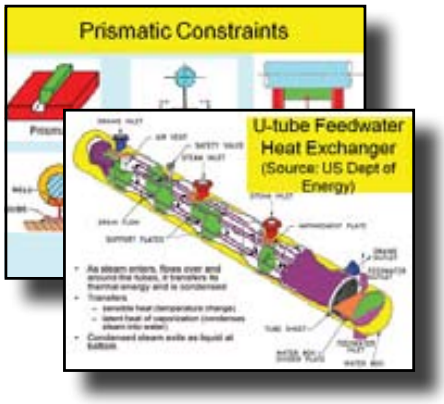
THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

"It's the Piper's resource for Information and Just-in-Time Training."

PIPER BOOTCAMP covers equipment and fittings necessary for routing pipeline from nozzle to rack to nozzle.

PROCESS PLANT LAYOUT covers knowledge and skills required for plant equipment and layout. Targets pipers already familiar with in-line pipe routing.

Version I contains original video recordings of live presentations by industry leaders. **Version II** contains newly recorded videos with additional topics, and extended notes.



Designed for the new Piper and as a useful resource for experienced Pipers, the SPED Piper Video Series is considered the Industry Standard for piping training.

For more information, call 832.286.3404 or email videos@spedweb.com.

Intergraph® Releases New Version of SmartPlant 3D® Engineering Design Solution

The leading 3D design software tool is enhanced with new reference model data reuse and laser scanning capabilities for reducing design times and rework efforts

HUNTSVILLE, Ala., Mar. 2, 2010 – Intergraph® has released the new version of its industry-leading SmartPlant 3D® enterprise engineering design software with new capabilities for multiple 3D model referencing, enhanced model data reuse and laser scanning integration capabilities to further increase engineering design quality, productivity and accelerate project schedules.

SmartPlant 3D is the industry's most advanced, most productive next-generation 3D design system for the process and power industries including automated design capabilities. Customers using SmartPlant 3D typically realize 25- to 35-percent initial increases in productivity.

"EPCs and other users of SmartPlant3D are constantly looking for ways to improve productivity and reduce project schedules and design errors. The new release of SmartPlant3D offers several enhancements to address these issues," said Tom Fiske, Ph.D., senior analyst with ARC Advisory Group, a leading industry analyst firm, and the author of its Process Engineering Tools (PET) Worldwide Outlook Market Analysis and Forecast through 2013, which ranked Intergraph the No. 1 vendor of overall engineering design software and process engineering tools.

Enhancements to the newest version of SmartPlant 3D include:

Reference 3D capabilities – using Intergraph's proven SmartPlant Review technology, SmartPlant 3D now can reference external data from many sources for visualization, clash detection and routed systems connections. Supported formats include PDS, PDMS, SAT, DGN, DGN V8, DWG and VUE. This capability is very powerful when undertaking repeated 3D designs or for joint venture projects where multiple companies may be using different design products. Referenced 3D models can also be included in drawing and report generation.

Enhanced model data reuse – SmartPlant 3D can copy 3D data within a model or to another model while maintaining relationships within the design. Entire units of a plant can be replicated with all associated intelligence, reducing valuable engineering design effort while accelerating project schedules.

Laser scanning integration – integration with laser point cloud data ensures accurate measurements and placement of equipment while checking for interferences against the point cloud data. Clashes are automatically highlighted, allowing for easy edits and removal and saving time on designs and rework. Smart3D supports Leica, Z&F, Trimble, QuantaPoint and CSA laser data formats.

Patrick Holcomb, Intergraph Process, Power & Marine executive vice president, said, "As the world leader in enterprise engineering software, Intergraph is committed to its customers and the industry in continually advancing capabilities to its flagship 3D engineering and design solution. The new enhancements will enable users to save even more valuable time and resources, increase productivity and accelerate project schedules."

SmartPlant 3D, available in both Plant and Marine versions, is the 3D design solution within the SmartPlant Enterprise suite that provides full 3D design capabilities needed for the creation, safe operation and maintenance, and capital Project Life Cycle Management (cPLM) of process, power, marine and offshore projects.

continued from page 1

SPED/HCC begins new Green Process Piper Class

Other requirements are available from SPED.What is the Process for Participation?

1. Email your resume to gpp@spedweb.com (GPP: <YourLastName> as subject) for review and screening.
2. If selected, schedule Testing Assessment for CAD Skills and Process Piping.
3. Meet Texas Workforce Solutions Office eligibility requirements through the Texas Workforce
4. Solutions Office.
5. Begin training.

If accepted, training is free but no funds are available for stipends. Participants may qualify for financial assistance for childcare through WIA funding.

Other training for unemployed pipers is also available.

For consideration, send your resume to:

Amy Voss-Foster, SPED
Educational Resource Specialist
Green Process Piper Program

E-mail: **gpp@spedweb.com**
Subject: GPP: <Your Last Name>

SPED ADVERTISING AND PRESS RELEASES
spedsrvs@spedweb.com

SPED COURSES
spedadmin@spedweb.com

CERTIFICATION TESTING
spedadmin@spedweb.com
Telephone 832-286-3404

Calendar of Events for February 2010 through April 2010

Dates and Times	Day(s)	Location	Cost	Membership
Lee College Senior Piper Series April 5th, 6:00 P.M. - 8:00 P.M.	M	Tucker Hall at Lee College, Baytown, TX	FREE	
SPED Calgary Kickoff Reception and Meeting, April 8th, 5:30 P.M. - 7:30 P.M.	TH	Hyatt Regency Hotel, Calgary, AB	FREE	RSVP by emailing mark.mckee@aveva.com
SPED PPD Review and Test, April 10th, 8:00 A.M. - 5:00 P.M.	SAT	WorleyParsons Canada, South Calgary Office	See flyer in March issue of SPED Update	To register, email spe-dadmin@spedweb.com, or call 1-832-286-3404
FIATECH Technology Conference and Showcase, March 29-31, 2010 http://fiatech.org/2010.html	M-W	Austin, TX	See website	Registration via FIATECH website
ECC 2010 - 42nd Annual ECC Conference, Semptember 1-4, 2010 http://www.ecc.conference.org/	W-S	Riz Carlton, Orlando Great Lakes Orlando, FL	See website	Registration via ECC website
COADE User Conference 2010 September 20-22, 2010, http://www.coadeuserconference.com/2010/	M-W	Woodlands Waterway Marriott Hotel, Houston, TX	See website	Registration via COADE website
SPED 2010 Annual General Business Meeting and Corporate Member Showcase	TBD	Omni Houston Hotel at Westside, Houston, TX	TBD	Open to Members and their Guests

Join SPED Today!

Join us and enjoy discounts and other benefits. Visit http://www.spedweb.com.

Individual Professional Membership	$70 USD
Student Membership	$20 USD
Small Corporate Membership	$500 USD
Large Corporate Membership	$1000 USD
Global Corporate Membership	$10,000 USD
Academic Institution Membership	$500 USD

SPED Staff

Dr. William Beazley, Executive Director, Treasurer, Editorial Contributor

Andrea Macejak, Manager of Operations

Sarah Evans, Membership, SPED Update Editor, Advertising Sales

Amy Voss-Foster, Education Specialist

Training Calendar for February 2010 through April 2010				
Dates and Times	**Day(s)**	**Location**	**Cost**	**Membership**
AVEVA Webinars: 12 very informative webinars available anytime.	Ongoing	Online	FREE	http://www.avevawebi-nars.com/
FIATECH Tech Tuesday Webinar Series http://fiatech.org/tech-connec-tions/techtuesday.html	T	Online	FREE	Register @ info@fiatech.org
Total Cad Systems, Inc.: AutoCAD P&ID Fundamentals	M-TU	Online	FREE	Register at http://www.tcadsys.com/training.html
Total Cad Systems, Inc.: AutoCAD Intermediate		Online	FREE	Register at http://www.tcadsys.com/training.html
SPED Canada Kickoff PPD Review and Test, April 10th, 8:00 A.M. - 5:00 P.M. www.spedweb.com	SAT	WorleyParsons Canada, South Calgary Office	See flyer in March issue of SPED Update	To register, go to www.spedweb.com.
PPD Piper BootCamp Online April 19th - June 25th Early Registration Discount www.spedweb.com		Online	$1,500 $1,400	SPED Members Only Registration by April 9th
PPD Process Plant Layout Online April 19th - June 25th Early Registration Discount www.spedweb.com		Online	$1,500 $1,400	SPED Members Only Registration by April 9th
PPD Piper BootCamp Online May 17th - July 16th Early Registration Discount www.spedweb.com		Online	$1,500 $1,400	SPED Members Only Registration by May 7th
PPD Process Plant Layout May 17th - July 16th Early Registration Discount www.spedweb.com		Online	$1,500 $1,400	SPED Members Only Registration by May 7th

Did you miss a Free Webinar? Most vendors have their webinars listed in an online library for viewing; go to the webinar hosting site and search in their online library for a chance to see what you missed. SPED will still give a PDU credit for viewing it from the vendor's library. Vendors with online webinar libraries are: AVEVA, COADE, and PT&P.