

SPECIAL POINTS
OF INTEREST:

- 41st Annual ECC Conference, September 9-12th, Bastrop, TX
- SPED Process Plant Layout Online Course, August 24th, Online
- SPED Piper BootCamp Online Course, August 24th, Online

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SPED Update August 2009

VOLUME 2, ISSUE 8

AUGUST 2009

New PPD 100% Club Program

The SPED **PPD 100% Club** is a program where members pledge to maintain 100% certification among their Piping Designer Staff. In support of this pledge, SPED makes certain online review resources available to the member at no cost and supports their efforts to plan training and gain public funding for staff training and testing. **PPD 100% Club** members receive a certificate of compliance for each office as a program requirement. Compliant Club members in all offices within a corporate entity may display a special logo on their website and proposals within that entity. Membership in the program is free to SPED Corporate Members (other fees apply).

The technical success of the SPED Professional Piping Designer (PPD) Certification Program and the availability of Video, Classroom and Online training to prepare for PPD Certification have enabled the creation of the new **PPD 100% Club**. SPED has tested and certified pipers all over the world. In addition, SPED has successfully taught PPD Level I and Level III knowledge in the classroom, through videos and online. Other college programs and company training programs have also demonstrated teaching PPD Level I and Level III knowledge. It is now feasible for companies to teach in-house and remote site staff PPD knowledge and take PPD Exams.

PPD 100% Club members must pledge the following for each corporate office or entity to be included in the club:

- 100% of current pipers will obtain PPD Certification within 1 year of joining the program. Certification is through testing, unless the exam is waived. (see guidance on petitioning to waive the PPD Exam for Level IV applicants).
- New hires must become PPD Certified within 1 year of employment.

The logo can be displayed once the 50% certification level is confirmed for the corporate entity. (SPED will visit HR to spot check rosters against PPD Certification Lists.)

What SPED will do to support the member:

- A copy of the PPD Review video will be placed on the 100% Club member's website for test review.
- Testing will be on call at SPED's office during normal business hours, or, at a Houston Location or proctored site by appointment.
- Online practice questions representative of the PPD exams will be made available for a nominal enrollment fee.
- For testing groups of 20 or more an on-site review will be conducted for a nominal fee.

SPED will assist the member in applying for state funds to defray the cost of training and testing.

The SPED PPD 100% Club Program is beneficial to EPC Employers, Clients and Piping Designers. Pledge today!

For more information, contact Andrea C. Macejak, Manager of Operations
Society of Piping Engineers and Designers
9211 West Rd., Suite 143-219, Houston, TX 77064
(832) 286-3404, spedexec@spedweb.com
<http://www.spedweb.com/>

Visit us at www.spedweb.com for more information.

SPED Board Defines Guidance for Waiver of PPD III Tests

The SPED Board Directors strongly encourages every piper to take and pass the Professional Piping Designer Level I and Level III tests as appropriate to their level of experience. Most piping managers, however, can judge a designer's competence by review of their resume and consulting furnished references.

In addition, pipers who have served as checkers and managers have been identified by their organizations and their clients as possessing higher levels of expertise in Piping Design. As a result, the SPED requirements for PPD Certification provide for waiving the PPD exam for appropriate and confirmed levels and types of experience. Petitioning to waive the PPD exam is **ONLY** recommended for PPD Level IV.

The Certification Committee of SPED Board of Directors offers the following guidance on Pipers petitioning to waive the exam:

Level	Normal Requirements	May Consider Petitioning for Exam Waiver
PPD Level I	PPD Level I Exam	Not Recommended
PPD Level II	PPD Level I plus 4 years total of acceptable experience, generally, with a demonstrated span from Front End Engineering to Construction	Not Recommended
PPD Level III	PPD Level II plus PPD Level III Exam plus 8 total years of acceptable experience, generally with direct experience routing and checking piping to multiple pressure vessels (drums, towers, exchangers, filters, etc.), storage tanks, reactors (CSTRs, Furnaces, Cokers, etc.) and rotating equipment (pumps, compressors, etc.)	Not Recommended
PPD Level IV	PPD Level III plus 12 total years of acceptable experience, including supervisory experience (squad boss, team leader, manager, scheduling, estimating, etc.)	16 years of piping design experience PLUS at least 8 years direct checking and supervisory experience (squad boss, team leader, manager, scheduling, estimating, etc.)

Each candidate petitioning to waive the exam should indicate this on the first page of his or her application. After the Certification Committee has reviewed the candidate's application and references, they vote on whether to accept this candidate at the requested PPD Level without exam.

There are many pipers in our industry with 20 to 30 years experience who should consider petitioning to waive the PPD Level III Exam in their application for PPD Level IV.

There are many pipers in our industry with 20 to 30 years of experience who should consider petitioning to waive the PPD Level III Exam in their application for PPD Level IV.

Take the Pledge!



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% Club Benefits EPC Employers, Clients and Piping Designers!

For more information, go to www.spedweb.com, or call Andrea Macejak at 832-286-3404.

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.



Latest Enhancements to AVEVA Plant

Deliver Immediate and Measurable User Benefits

One of the major enhancements is the ability of AVEVA PDMS users to openly share data with users of AVEVA Outfitting, part of the AVEVA Marine portfolio.

Cambridge, UK, 29 July 2009: AVEVA (LSE:AVV) today announces further enhancements to its AVEVA Plant portfolio, with significant improvements to AVEVA PDMS, AVEVA Global and all of its schematics products.

Notable improvements have been made to AVEVA PDMS and AVEVA Global, further extending AVEVA's technology leadership in 3D plant design and multi-site project execution.

This latest release introduces numerous new and improved capabilities, many of which are a result of consultation with AVEVA customers.

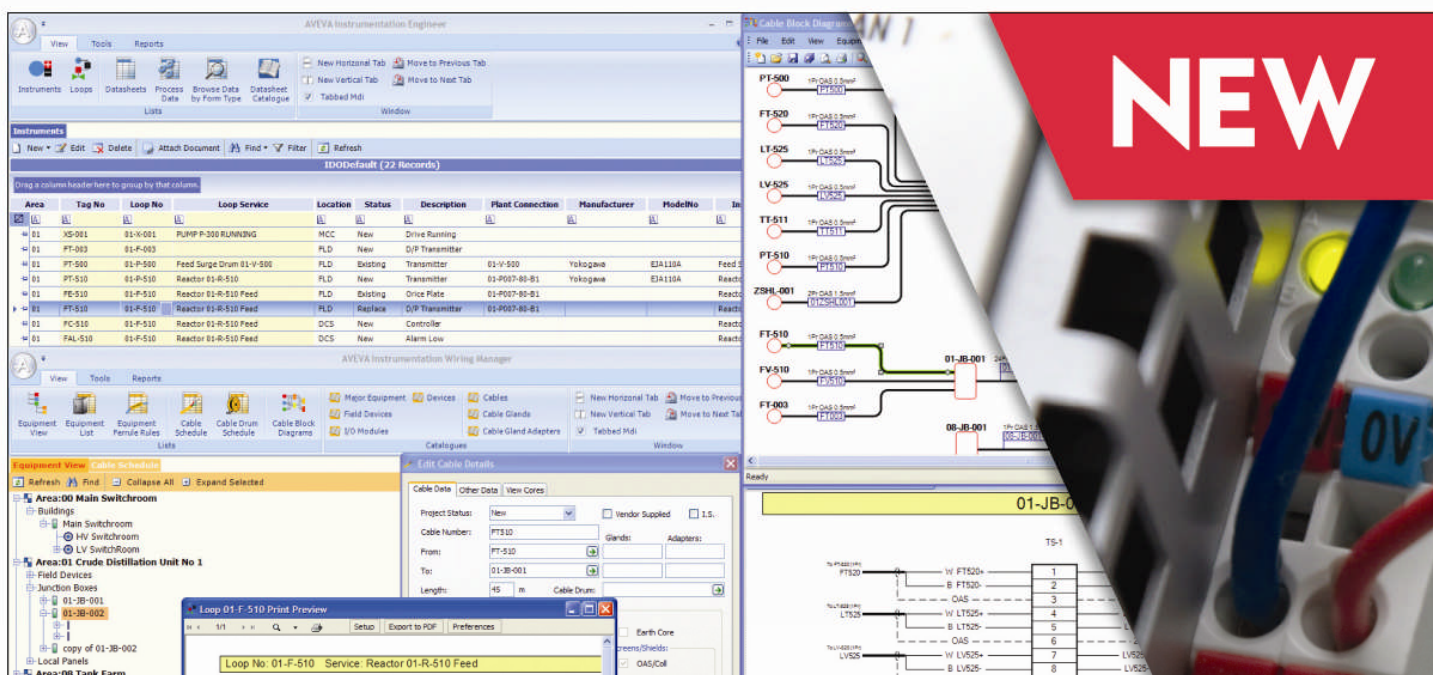
One of the major enhancements is the ability of AVEVA PDMS users to openly share data with users of AVEVA Outfitting, part of the AVEVA Marine portfolio, in even the most complex and demanding global projects. Customers involved in any part of the offshore oil & gas or marine industries will benefit from greatly enhanced standardisation across their projects coupled with increased flexibility in the way they work with their project partners.

The new version of AVEVA Global, AVEVA's unique technology for managing multi-project execution, receives many enhancements, including new compression technology that further reduces band-width and network availability requirements.

All of the schematic products within AVEVA Plant have also received major updates, and a new product, AVEVA Diagrams, has been added to the Plant portfolio.

AVEVA VPE P&ID has been extensively upgraded and is renamed AVEVA P&ID at this release. Still integrated with AVEVA VPE Workbench, AVEVA P&ID is now a fully object-centric, AutoCAD-based application, employing Microsoft .NET technology, and capable of integration with AVEVA's Dabacon database via AVEVA P&ID Manager. The latest version is an excellent illustration of AVEVA's policy of Continual Progression; providing customers with increasing capabilities and flexibility while ensuring full upwards compatibility of their existing design data.

AVEVA Diagrams is a powerful tool for creating P&IDs and HVAC diagrams, with an intuitive Microsoft Visio user interface, for users whose priority is direct interaction with the schematic model database. Already a popular element of AVEVA Marine, it has been upgraded and introduced to the plant portfolio, reflecting the progressively closer integration of these two product families.



FINALLY – a real choice for Instrumentation...

Now you can more easily design and maintain your instrumentation data with

AVEVA Instrumentation

Are you in control of your instrumentation data?

Most 'smart' instrumentation systems cannot dynamically handle the continual changes to instrumentation in process facilities.

That's why you need a solution that enables validation of data — without costly third-party services — and is productive, easy to use and dependable at every stage of the project lifecycle.

One demonstration will convince you!

For more information about AVEVA Instrumentation and events at which you can see it for yourself, visit www.aveva.com or contact: sales.us@aveva.com

Comprehensive...

- A complete integrated suite of modules handle every aspect of instrumentation and wiring specification, design and installation.

Productive...

- Unique drag and drop interface for the fastest and most intuitive block wiring design.

Powerful...

- Consistent information supports all tasks.
- Automatic validation eliminates sources of errors.
- Security features ensure reliable data.

Adaptable...

- Easily configurable to your business, your workflow, your standards.



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www.aveva.com

Industry News Snapshots

Source DownstreamToday.com: <http://www.downstreamtoday.com/>

Waxman-Markey Could Eliminate Nearly 350K Texas Jobs - API

August 17, 2009 As many as 341,000 jobs would be wiped out in Texas if a climate change bill passed in the U.S. House of Representatives becomes law, a study shows.

PetroChina Resumes LNG Terminal Construction At Nantong

August 17, 2009 PetroChina has resumed its construction of an LNG terminal in Rudong county, eastern Jiangsu province.

West Australia Gives Environmental Nod to Gorgon Project

August 10, 2009 The West Australian government has given final environmental approval to the nation's biggest resource project.

Source Contractors Unlimited: <http://www.contractorsunlimited.co.uk/news-intl.shtml>

Fluor Secures Sakhalin-I Chayvo Contract in Russia

August 7, 2009 Fluor Corporation's Russian joint venture Sakhalin Neftegas Technology LLC awarded contract by Exxon Neftegas Limited, on behalf of the Sakhalin-I Consortium, for expanding its Chayvo Onshore Processing Facility located on Sakhalin Island off the east coast of Russia.

Fluor Forms Consortium with Global Industries to Pursue Offshore Projects

August 3, 2009 Fluor Offshore Solutions joins forces on an exclusive basis with Global Industries, Ltd., an offshore construction firm, to pursue offshore oil & gas projects in the Middle East and North Africa region.

Fluor Awarded FEED Contract for Santos Gladstone LNG Upstream Project in Australia

July 27, 2009 Fluor Corporation awarded contract to perform front-end engineering and design (FEED) services for Santos Limited's Gladstone Liquefied Natural Gas (GLNG(R)) Upstream Project in Queensland, Australia.

Petrofac Partnership Awarded Abu Dhabi Integrated Gas Development Contract

July 16, 2009 Petrofac's 50% owned Joint Venture, Petrofac Emirates, in partnership with GS E&C, receives letter of award from GASCO for contract worth approximately US\$2.1 billion with a value to Petrofac Emirates of around US\$1 billion.

Acergy S.A. Awarded Contract Offshore Brazil

July 14, 2009 Acergy S.A. awarded new four year contract for Polar Queen by Petrobras in Brazil, with an option for an additional four years. Contract is for the provision of flexible laying services offshore Brazil.

Foster Wheeler Awarded Feed Contract by Santos for GLNG(R) Upstream Project in Australia

Jul. 23, 2009-- ZUG, Switzerland Foster Wheeler AG (Nasdaq: FWLT) announced that a subsidiary of its Global Engineering and Construction Group, has been awarded a contract by Santos Ltd. to undertake the front-end engineering design (FEED) for Santos' GLNG® Upstream Project in Queensland, Australia.

Foster Wheeler Wins Gassco Contracts for Zeebrugge and Dunkerque Terminals

July 29, 2009 -- ZUG, Switzerland Foster Wheeler AG (Nasdaq: FWLT) announced that its UK-headquartered subsidiary, Foster Wheeler Energy Limited, part of its Global Engineering and Construction Group, has been awarded an engineering, procurement and construction (EPC) contract by Gassco AS for the implementation of the blow-down system modification at Gassco's Zeebrugge Terminal, Belgium. Foster Wheeler has also been awarded the concept development and pre-engineering of the blow-down system at Gassco's Dunkerque Terminal in France following its successful completion of the study phase.

As many as 341,000 jobs would be wiped out in Texas if a climate change bill passed in the U.S. House of Representatives becomes law, a study shows.

DownstreamToday.com

NEW Online Courses

PPD Piper BootCamp

Ends in Level I Exam; Testing and Textbook included.

Process Plant Layout and Piping Design

Ends in Level III Exam; Testing and Textbook included.

SESSION IV '09: August 24th - October 18th

Early Registration Fee ends August 14th: \$1,400

Registration fee after August 14th: \$1,500

SESSION V '09: September 21st - November 22nd

Early Registration Fee ends September 11th: \$1,400

Registration fee after September 11th: \$1,500

Call 832-286-3404 or email spedadmin@spedweb.com to register.



THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

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

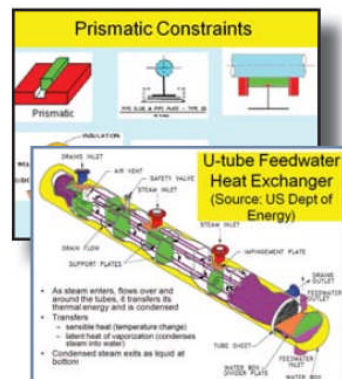
PIPER BOOTCAMP covers equipment and fittings necessary for routing pipeline from nozzle to rack to nozzle.

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.



**New project?
Staffing issues?**



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

CUC2008 Attendees Weigh in on Conference's Success

"...Our project management and software handling has improved since attending the conference,"

In a recent survey conducted in July, we asked CUC2008 attendees to reflect on their experiences at last year's conference, and 100% of the respondents felt that they and their companies had benefited from attending. Attendees were able to gain knowledge by interacting and networking with instructors, COADE software designers, industry leaders, and other users, which allowed them to deliver greater efficiencies, resulting in faster project turnarounds.

In the survey, companies shared many ways in which they benefited from attending, such as; optimizing their network and project workflow, "...Our project management and software handling has improved since attending the conference," or; learning to be able to effectively, "...link working models to a common database for engineers and designers use," and; learning how to fully utilize CADWorx ISOGEN, "...the sessions made me more confident in setting up the model and utilizing the ISOGEN switches."

This year's conference will contain three days of comprehensive and informative classes, covering the entire family of COADE's products. This depth of information isn't available anywhere else and makes CUC2009 a fantastic value.

Sessions are tailored for beginner to advanced levels, so for the piping designer that wants to know more about stress analysis, they're covered. The seasoned stress engineer looking to improve the work flow between engineering and design, they're covered too. If you want to be a better designer, engineer or manager than you already are, this is the place to be.

You will also have plenty of opportunity to network with other COADE users who can offer insight into how to use the software in innovative and creative ways. COADE partners, customers, experts and leaders from around the world will be in attendance; so far the conference has registrants from Australia, Belgium, Brazil, Canada, Chile, China, India, Ireland, Japan, South Korea, Mexico, New Zealand, Nigeria, Russia, Saudi Arabia, Singapore, South Africa, Spain, Taiwan, Tunisia, United Arab Emirates, the UK, and of course, the USA.

SPED members who register for the PPD Certification Level I Review and Exam will receive a \$100 discount off the registration fee. Contact SPED for details.

Companies interested in exhibiting should contact Neil Bock at nbock@coade.com, or +1.508.870.9787. COADE's aim for this conference is to ensure that attendees leave with the tools they need to be better designers and engineers. That is why this conference has been purposely designed with a combination of labs; lectures; exhibitions; and roundtables. This ensures that attendees not only develop new software skills, but also grow from sharing their experiences with their peers. COADE believes that if we cannot demonstrate value to you and, you in turn, are not able to demonstrate value in attending to your employer you can have your money back. For details of our money back satisfaction guarantee, click here: <http://www.coadeuserconference.com/2009/guarantee.html#guarantee>.

Details on the CADWorx User Conference are at <http://www.coadeuserconference.com/2009/>. For information on COADE and its products visit www.coade.com.

About COADE

COADE, Inc. is a provider of software for multiple plant design and engineering disciplines. COADE's aims are that design and engineering should share relevant information seamlessly, thereby maintaining accuracy and improving efficiency. COADE's product line conforms to those goals and includes: CAESAR II, the world's most widely used pipe stress analysis software; PV Elite for pressure vessel and heat exchanger design and analysis; CADWorx Plant Design Suite for intelligent plant design modeling, process schematics and automatic production of plant design deliverables; and TANK for the design and analysis of oil storage tanks. COADE, CAESAR II, CADWorx, PV Elite, CodeCalc and TANK are registered trademarks or trademarks of COADE, Inc. For more information, visit www.coade.com.

*The economy is down. Projects are harder won. **NOW is the time to be better.***



CADWorx®

CAESAR II®

PV Elite™

TANK™



September 28–30, 2009

Houston, TX ★ USA

The Woodlands Waterway Marriott
Hotel & Convention Center

In three full conference days you will have the chance to attend over 60 classes.

Sessions are tailored from beginner to advanced levels. So, the piping designer that wants to know more about stress analysis. They're covered. The seasoned stress engineer looking to improve the work flow between engineering and design. We have them covered too! **If you want to be a better designer, engineer or manager than you already are, this is the time. Join us!**

★ Questions? Call the CUC2009 conference hotline at (+1) 781-803-3735.

www.coadeuserconference.com



For One Day Only!

Review and Testing for Experienced Piping Professionals!

PPD Certification Level I Review and Exam

taught by Dr. William Beazley, SPED Executive Director

Sunday, September 27, 2009

Don't need to take a course? Here's a chance to document your experience and skills in one day!

SPED will conduct a one-day Review and Exam for SPED Members only, prior to the 2009 COADE User Conference at the Woodlands Waterway Marriott Hotel.

Register online at www.spedweb.com, or call 832-286-3404.

\$300 Registration Includes:

- Review
- Testing Fee and Certification Application Fee, a \$400 Value
- Three Month Introductory Membership in SPED
- \$100 Discount Off User Conference*

*COADE is offering participants of this Review and Test an additional discount of \$100 off registration!

For more information, go to www.spedweb.com



Piper Video Series Global Licenses

Now Available

A Global License to the SPED Piper Video Series is now available. This permits the training videos to be used by any SPED Global Corporate Member. This could mean use in hundreds of member offices and by thousands of member employees. A Global License is an exclusive privilege of SPED Global Corporate Membership (GCM).

Normal Video Series licensing permits unlimited distribution within the purchaser's country with reasonable care taken to assure security. For example, reasonable care is to load the videos on a server accessible *only* to purchaser's employees. The Global License extends this right to any office of the GCM again, with reasonable care taken to assure security.

SPED realizes the logistics of distributing a set of training videos can be quite complex. SPED will provide all copies of the course and any updates to a single designated Point of Contact (POC) named by the GCM. SPED will also distribute to additional POC's for a nominal charge.

SPED continues to update and extend the videos and the supporting practice quizzes and reference material on a continuing basis with the goal of updating all videos every three years. For an annual fee, all updates are sent when available, usually on a quarterly basis. **No updates to the Process Plant Layout Version 1.0 will be made.**

***The cost and annual fee are plus shipping costs, duties and fees collected by the shipper.**

Course or Combination Package	Single Country*	Global License*	Annual Updates*	Annual Additional Distribution*
Piper BootCamp	\$5,000	\$25,000	\$5,000	\$1,000
Process Plant Layout Version 1.0	\$4,000	\$20,000	N/A	N/A
Process Plant Layout Version 2.0	\$5,000	\$25,000	\$5,000	\$1,000
Piper BootCamp + PPL V. 2.0	\$8,000	\$40,000	\$8,000	\$1,000
Piper BootCamp + PPL V. 1.0 and 2.0	\$9,000	\$45,000	\$8,000	\$1,000

For more information, contact Andrea C. Macejak, Manager of Operations
 Society of Piping Engineers and Designers
 9211 West Rd., Suite 143-219
 Houston, TX 77064
 (832) 286-3404
spedexec@spedweb.com
<http://www.spedweb.com/>

"This could mean use in hundreds of member offices and by thousands of member employees. A Global License is an exclusive privilege of SPED Global Corporate Membership (GCM)."

Society of Piping Engineers and Designers Annual General Business Meeting

and CORPORATE MEMBER SHOWCASE

**Tuesday, November 17, 2009, 6 P.M. - 9 P.M.
at the Omni Houston Hotel at Westside
13210 Katy Freeway, Houston, Texas**

Shell International Ltd

Bringing Pipers and Industry Together

The **SPED 2009 Annual General Business Meeting** will feature a panel of Industry Experts in Software, Placement, EPC, and Fabrication. The speakers are:

Durga Agrawal, *President of Piping Technologies and Products, Inc.*

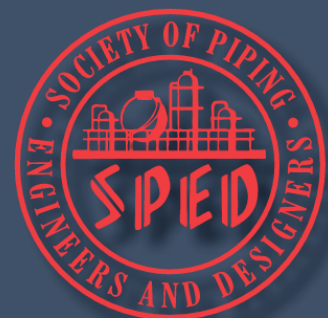
Debby Jones, *President of Southwest Design Services, Inc.*

Homer Reyes, *Senior Principal and Piping Design Supervisor, Foster Wheeler AVEVA, TBA*

Turnout for this event is expected to be high. Tickets for this event will be available beginning September 15th.

This year's Corporate Member Showcase is packed with networking opportunities with key members of the Piping Industry. SPED's membership is known for the high participation of Pipers, Piping Managers, and Corporate Executives.

For more information call SPED at 832-286-3404
or email spedsrvs@spedweb.com.



Meet Piping Blogger PennPiper

PennPiper (James O Pennock) is known all throughout the industry for his insightful blogs and writings. He is a frequent contributor to www.pipingdesigners.com (hosted by Anton Dooley) and has left significant postings with advice and tips from his 45 years of experience. He goes by the nickname JOP.

JOP started in the piping field in 1954 at Fluor Corporate Headquarters in the city of Commerce, California. He retired from Fluor in 1999 out of their Marlton, New Jersey office. He worked at Fluor for almost his entire career, except for a six-year-hiatus in the mid-80's. During his 45 year career, he has lived in and worked in a number of the 50 States.

During his career at Fluor he spent time as a:

- Model Maker
- Piping Designer
- Piping Checker
- Unit Piping Design Supervisor
- Project Lead Design Supervisor
- Project Piping Engineering Lead
- Piping Materials Manager
- Piping Department Standards Supervisor
- Project Engineer
- Piping Field Engineer
- Piping Design Training Instructor
- Piping Department Manager



James O Pennock, wife Anita (also a Piper) outside their home in Florida with Dr. William Beazley, SPED Executive Director.

During the six years he was away from Fluor he was Software Product Development Manager for 3D Piping Engineering & Design Products (like PDS but not PDS), Manager of Engineering for a Pipe Fabrication Shop, and an Independent Consultant. That just about covers all the piping related job titles in the Process Industry.

After his retirement in 1999, his wife and he moved to Florida where he finished and published his book:

"Piping Engineering Leadership for Process Plant Projects"

by James O. Pennock - Published by Gulf Publishing

See: <http://www.amazon.com/gp/product/0884153479/002-0384003-0681610?%5Fencoding=UTF8&s=books&v=glance>

This book is sitting on the desk of many of the piping managers throughout the world.

In 2003, JOP wrote the article **Plant Design Team: Think Outside the Box**, published by Hydrocarbon Processing, December 2003.

Although Pennock is officially "retired" he is still sought after for various assignments throughout the world. Contact him at: jopennock@netscape.net or read his many postings and articles at www.pipingdesigners.com and other websites.

PennPiper is known all throughout the industry for his insightful blogs and writings...postings with advice and tips from his 45 years of experience.

Executive Director's Notes: Preparing for the Recovery

There is going to be a recovery in the process and petrochemical sector. Turnarounds happen once a year: Fixing and tweaking must happen during these recoveries. Retained earnings on owner-operator balance sheets must be returned to shareholders, buy out stakeholders (stockholders and bondholders) or invest in capital projects. The latter is always the preferred choice. So what should YOU do to get ready for the coming uptick in work?

SPED has conducted one-on-one interviews with most of its industrial partners from prior training as well as other Texas and Houston area employers. They say they prefer their pipers have more generalized training that is flexible enough to respond to the coming recovery, expected in the Q4 2009 or Q1 2010 timeframe. Meanwhile, to survive, they are tending to:

1. Keep generalists and lay off specialists
2. Keep the highly credentialed and lay off the less
3. Keep the designer/technician and lay off the draftsman
4. Keep the eager-to-learn and lay off the reluctant

SPED asked employers if they were using the downturn to train their piping designers. Many local employers say have had their training budgets slashed to zero. Even though employers have the time, they lack the overhead to train without a job underway.

Many employed and unemployed individuals are too scared to spend on training. Even though piping designers would be more competitive with training leading to certified and documented skills, they are more concerned with staying current on their bills. No one should go bankrupt if they can avoid it, BUT there are many sources of training that have government funding.

Don't fall into this trap!

This is precisely the time to be ADDING CREDENTIALS, not hiding them. Credentials travel well: Project experience may or may not apply to the next job. Credentials (degrees, certification, short courses, etc.) are yours, while a job skill might be too proprietary to apply to the next job or next employer. Strategically, choose a general credential or, at least, a universal skill, such as CAD or CAE Software training. Be sure that the training leads to a recognized and accepted credential.

If you are laid off or fear it, remember that you will be competing with new graduates from CAD programs with shiny, new AAS or even higher degrees. For example, SPED estimates that Houston area junior colleges graduate between 100 and 200 new piping CAD designers per year. Against these highly educated newcomers, credentials and experience count, so make them count for you.

Bill Beazley

William G Beazley, PhD
Executive Director
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(832) 286-3404

SPED Calendar of Events-July—November 2009

Dates & Time	Day(s)	Location	Cost	Membership
PDS I Fall 2009 TBA		TBA	\$1195	SPED Members Only
PPD Piper BootCamp Online Starting August 24th—October 18th Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By August 14th
PPD Process Plant Layout Online Starting August 24th—October 18th Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By August 14th
41st Annual ECC Conference September 9-12 http://www.ecc-conference.org/	W-Sat	Hyatt Lost Pines Resort (near Austin) Batrop, TX	\$995	Full Conference
PPD Piper BootCamp Online Starting September 21st—November 22nd Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By September 11th
PPD Process Plant Layout Online Starting September 21st—November 22nd Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By September 11th
SPED PPD Level I Review and Exam at the COADE User Conference September 27, 9:00-5:00 www.spedweb.com	Sun	Woodlands Waterway Marriot Hotel Houston, TX	\$300	SPED Members Only Register on the SPED Website
SPED PPD Level III Exam at the COADE User Conference September 27, 9:00-5:00 www.spedweb.com	Sun	Woodlands Waterway Marriot Hotel Houston, TX	\$150 \$200	SPED Members SPED Non-Members Register on the SPED Website
2009 COADE User Conference, September 28-30 http://www.coadeuserconference.com/2009/	M-W	Woodlands Waterway Marriot Hotel Houston, TX	\$995 \$1195	Registration by August 1st After August 1st
AVEVA ISEIT 2009 October 6-7 http://www.iseit.com/	T, W	Grand Hyatt Berlin Berlin, Germany	€462 €564	Early Bird Registration Fee Conference plus non Delegate Fee
VMA Value Basics Seminars & Exhibition October 29, 8:00am—6:00pm http://vma.yourmembership.com/? ValveBasics	TH	Sheraton Houston Brookhollow Hotel Houston, TX	\$275 \$150 \$75	Full Day Registration Both Seminars Half Day Registration One Seminar Exhibit Hall Only
2009 SPED Annual General Business Meeting and Corporate Member Showcase November 17, 2009, 6-9 pm	T	Omni Hotel Westside Houston, TX	TBA	
SPAR 2010 February 8-10 http://www.sparllc.com/spar2010.php	M-W	Woodlands Waterway Marriot Hotel Houston, TX	TBA	
DIGITAL PLANT 2010 (daratechPLANT) March 1-3 http://www.daratechplant.com/	M-W	Hilton Americas Houston, TX	TBA	

SPED Training Calendar –August—October 2009

Dates & Time	Day(s)	Location	Cost	Membership
FIATECH Tech Tuesday Webinar Series Tuesdays, Weekly 11:00 ET http://fiatech.org/tech-connections/techtuesday.html	T	Online	FREE	Register at info@fiatech.org
PDS I Fall 2009 TBA		TBA	\$1195	SPED Members Only
Piping Technologies & Products: Engineered Spring Supports August 20, 9am & 2pm CST www.pipingtech.com	TH	Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
PPD Piper BootCamp Online Starting August 24th—October 18th Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By August 14th
PPD Process Plant Layout Online Starting August 24th—October 18th Early Registration Discount		Online	\$1500 \$1400	SPED Members Only Registration By August 14th
AVEVA Webinar: AVEVA Instrumentation 12.0 August 26, 11:30 CDT http://www.aveva.com/products_services_events.php		Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
AVEVA Webinar: AVEVA Laser Model Interface 12.0 September 16, 11:30 CDT http://www.aveva.com/products_services_events.php	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
Intergraph SmartPlant Virtual Training September 21-25, 8:00 am—5:00pm http://www.intergraph.com/promo/smartcareer/default.aspx?	M-F	Intergraph Offices Houston, TX	FREE	Course is full> Contact Intergraph for further class listings.
SPED PPD Level I Review and Exam at the COADE User Conference September 27, 9:00-5:00 www.spedweb.com	S	Woodlands Waterway Marriot Hotel Houston, TX	\$300	SPED Members Only Register on the SPED Website
AVEVA Webinar: AVEVA Multi-Discipline Supports 12.0 September 30, 11:30 CDT http://www.aveva.com/products_services_events.php	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
AVEVA Webinar: AVEVA Pipe Stress Interface October 7, 11:30 CDT http://www.aveva.com/products_services_events.php	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
Intergraph SmartPlant Virtual Training October 19-23, 8:00 am—5:00pm http://www.intergraph.com/promo/smartcareer/default.aspx?	M-F	Intergraph Offices Houston, TX	FREE	Course is full> Contact Intergraph for further class listings.