SPED Update

Volume III, Issue 1 January 2010

January 2010

SPED Adds Certification Options to HCCS/SPED Green Process Piper Program

To further assist unemployed member pipers, SPED has added two new certification options to the HCCS/SPED Green Process Piper Program. SPED is offering a special Professional Piping Designer (PPD) Certification Program for members who are unemployed. For piping designers who have sufficient work experience, SPED will make certain online review resources available to the member, provide testing at the SPED HCCS Northline office by appointment and consider their application, all at a reduced cost of $200. "This is an excellent way for otherwise qualified piping designers to document their professional skills, demonstrate professional development and enhance their employability, says Bill Beazley, SPED Executive Director."

In Texas, SPED is only authorized to offer training to its members or in combination with other institutions. As a result, SPED Membership is required to take the review. During the review, SPED Student Membership for unemployed pipers is authorized at $20. All candidates for this program must be referred by a Texas Workforce Commission case worker.

Andrea Macejak and Amy Voss-Foster of SPED Discuss Training Options with Alma Martinez and Loretta Jones of Texas Workforce Solutions

The Green Process Piper Program is a special concentrated program to upgrade the skills of selected unemployed and displaced process piping designers. 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. Pipers will be introduced selected issues of life cycle and energy costs related to pipe layout and design.

The new options now mean there are three programs available for unemployed pipers depending on their training and experience. These are:

1. The Green Process Piper Program targets Unemployed or Dislocated Workers with a 2 year AAS Degree or equivalent experience and specific coursework in drafting, CAD and Physics.

2. See the specific Unemployed or Dislocated Worker eligibility requirements at the Texas

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THIS ISSUE'S HIGHLIGHTS

Intergraph Acquires COADE

Engineered Software Inc. Provides PIPE FLO Software Grant to HCCS/ SPED

Spreading Christmas Cheer at AVEVA's Open House

A Little Pickup in Personal Travel Could be Very Good for Pipers

PowerGEN Keynoter Pans Climate Bill

Look for the New "Canadian Corner"

Intergraph® Acquires COADE®

Acquisition expands Intergraph's SmartPlant® Enterprise suite by adding COADE's leading stress analysis solutions

HUNTSVILLE, Ala., Jan. 6, 2010 – Intergraph®, the world's leading provider of enterprise engineering software to the process, power and marine industries, has acquired COADE® Holdings Inc., provider of CAESAR II®, PV Elite™ and TANK™ products, the industry's most widely used software for pipe stress, pressure vessel and storage tank analysis, as well as its popular CADWorx® plant design suite.

The strategic acquisition of COADE is Intergraph's largest in the process, power and marine market. Terms of the deal were not disclosed. The acquisition will expand Intergraph's SmartPlant® Enterprise engineering solution suite by bringing together the world leaders in plant design and pipe stress analysis. The expansion of Intergraph's SmartPlant Enterprise design, construction and data management solutions with COADE's analysis offerings creates a powerful software solution that will provide users in the marketplace with unmatched capabilities.

The acquisition of the Houston-based software provider also extends Intergraph's market presence and ability to serve smaller projects with COADE's CADWorx solution, a modular, AutoCAD-based 3D plant design system. Intergraph is ranked as the No. 1 worldwide 3D design and process engineering tools (PET) provider according to the PET Worldwide Outlook Market Analysis and Forecast through 2013 by the ARC Advisory Group.

COADE's customers will benefit from Intergraph's large research, development and global support teams located around the world and specializing in engineering solutions. COADE clients will also receive uninterrupted support, maintenance and software upgrades as part of their maintenance agreement with Intergraph. Existing SmartPlant Enterprise clients will benefit from the expanded functionality offered by COADE's products as Intergraph enhances product integration and migrates the COADE analysis solutions into SmartPlant Enterprise to leverage design and modeling with pipe and vessel analysis. Deeper integration of design and stress analysis solutions will enhance productivity and enable a more seamless flow of engineering information among the software applications.

SmartPlant Enterprise is an integrated software suite that provides full design, construction, materials and engineering data management capabilities needed for the creation, safe operation and maintenance, and capital Project Life Cycle Management (cPLM) of large-scale process, power, marine and offshore projects. Intergraph remains committed to providing the process, power and marine industry with the broadest suite of engineering solutions on the marketplace today to the benefit of both EPCs and owner operators.

"The functional benefits of this acquisition to the engineering community and its ramifications to the industry as a whole cannot be underestimated," said Sid Snitkin, Ph.D., an industry analyst and vice president for ARC Advisory Group. "Both through new functionality developed internally as well as through acquisition, Intergraph continues to enhance the SmartPlant Enterprise solution to address the critical engineering needs across the engineering project life cycle."

"The COADE acquisition advances our mission to provide best-in-class engineering solutions to our customers and target markets around the world," said R. Halsey Wise, Intergraph chairman, president and CEO. "This acquisition, the second in as many months, illustrates our continued commitment to invest in our product portfolio, our customers and in the future growth of Intergraph."

Reid French, Intergraph chief operating officer, said, "The combination of COADE's analysis software with our SmartPlant and SmartMarine® Enterprise engineering suites further solidifies Intergraph's industry leadership. This acquisition brings together complementary design and stress analysis technologies that will allow us to deliver even greater value and productivity for our users worldwide."

"We believe the combination of COADE and Intergraph will bring a new level of functionality and support for our customers worldwide," said Thomas Van Laan, COADE president and CEO. "With Intergraph, we are confident of continuing the development of our product suites and the commitment to service that our customers have come to expect."

For more information about the COADE acquisition, please visit www.intergraph.com/ppm/coade.aspx .

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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. For more information, visit www.coade.com .

About Intergraph: Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence. Intergraph's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

For more information, visit www.intergraph.com .

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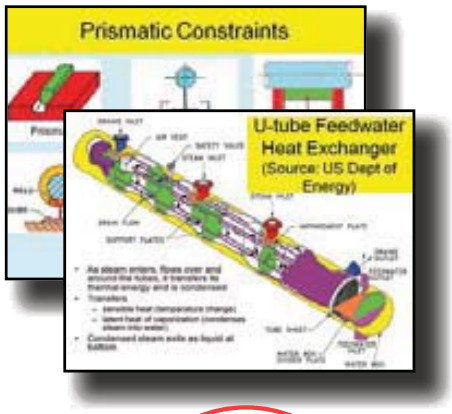
THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

"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.



New project?
Staffing issues?

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.

SOCIETY OF PIPING ENGINEERS AND DESIGNERS
SPED

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

PIPING ENGINEERS AND DESIGNERS: Discover How the Latest Technologies Can Help You Cut Costs, Leverage Limited Resources and Improve Plant Productivity Across the Entire Design, Build and Operate/Maintain Value Chain

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DIGITAL PLANT™ 2010
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The Plant Asset Lifecycle Event

March 1-3, 2010
Hilton Americas-Houston
Houston, Texas

For more infomation, visit www.digitalplantexpo.com or call 832-242-1969.

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Official Publications:
Chemical Engineering
Chemical Week
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FOR IMMEDIATE RELEASE – January 5, 2010

Engineered Software Inc. Provides PIPE FLO Software Grant to HCCS/SPED for Green Piping Design Training

(Lacey, WA – January 5, 2010) Engineered Software Inc. today announced their support of Houston Community College System (HCCS) and Society of Piping Engineers and Designers' (SPED) new Green Piping Design training program, providing a grant worth $25,000 for use of their flagship PIPE FLO® software program. "Green Piping" refers to the designing of pipe networks to minimize, in part, their energy costs. In this new training program, Engineered Software's PIPE FLO software will be used by piping designers to assess various design alternatives to select pipe sizes and routes that save energy and operational costs.

The training is a new Green Process Piper Program at HCCS, in cooperation with the SPED, targeting unemployed and displaced piping designers. Although usually analyzed by engineers, the availability of low cost tools means technicians can now perform much of the same work.

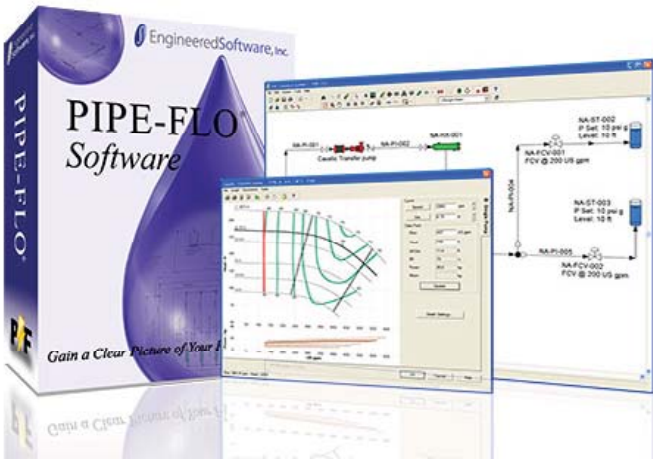
"With powerful analysis tools such as PIPE FLO," says Ray Hardee, P.E., CEO and Chief Engineer at Engineered Software, Inc., "piping designers can analyze the total piping networks as they are laid out in the plant, and simulate possible changes or modifications to the system. This almost always leads to savings in operational design and an increase in total piping system efficiency."

SPED is working with HCCS on the Green Process Piper Program. The program is funded by the US American Recovery and Reinvestment Act of 2009 administered by the Houston-Galveston Area Council. The program will train lower level piping designers on the now essential skills of assessing piping systems for energy consumption and all around system efficiency. This is a new, more advanced level of skill we are giving these pipers," said William G. Beazley, SPED Executive Director. "Signs of increasing demand for efficiency in process and power plants are everywhere. The best prepared will be the first hired, when spending surges."

PIPE FLO is a leading engineering tool for analyzing flow and sizing of pipe and pump in fluid flow networks. These networks are found in process, municipal and power plants.

About Engineered Software, Inc.

Founded in 1982, Engineered Software, Inc. has created products that are known worldwide for high end-user satisfaction rates. The company has two award-winning product lines – PIPE-FLO and PUMP-FLO Solutions. Recognized as the best in the industry, the programs' interface was developed and refined based on over 25 years of customer feedback. Engineered Software is also the creator of Flow of Fluids Premium software, and holds an agreement with Crane Valve North America to produce, market and sell their Technical Paper, TP410.



Engineered Software, Inc. has more than 5,500 clients worldwide across a variety of industries including aerospace and defense, chemical processing, engineering design and consulting, food and beverage, oil and petrochemical, mining and metals, pharmaceutical, power generation, pulp and paper, waste water collection and treatment and education.

For more information about this news release contact: Natalie McCullough, Engineered Software, (360) 412-0702 x121, natalie.mccullough@eng-software.com

www.eng-software.com

Total CAD Systems, Inc. Becomes Newest SPED Corporate Member

SPED welcomes Total CAD Systems, Inc. as our newest Corporate Member!

Excerpt from their website: Total CAD Systems, an Autodesk Premier Solutions Provider, was founded by experienced industry professionals who are passionately committed to providing the highest quality customer service. Our dedicated staff is driven on the founder's principles of Integrity, Professionalism and Dependability. We uniquely leverage our more than 200 years of collective industry knowledge to deliver the most friendly, responsive and thorough support to our clients.

For more information, go to their website, http://www.tcadsys.com.

SPED UPDATE ADVERTISING AND PRESS RELEASES
spedsrvs@spedweb.com

SPED COURSES/ CERTIFICATION
spedadmin@spedweb.com
Telephone 832-286-3404

CORPORATE MEMBERSHIP
www.spedweb.com
spedsrvs@spedweb.com

INDIVIDUAL MEMBERSHIP
www.spedweb.com
spedsrvs@spedweb.com

Spreading Christmas Cheer at AVEVA's Open House

AVEVA recently held an Open House on December 16th, 2009 to celebrate the holiday season at the company's headquarters in Houston to network, share industry knowledge and demo AVEVA's software applications, including AVEVA PDMS 12, AVEVA NET and AVEVA Instrumentation.

This event provided attendees the opportunity to attend specific demonstrations based on their business needs and demands. Each presentation delivered the benefits for both the business side as well as from a user perspective around the functionality of the software.

The event produced an excellent turnout with information packed demonstrations in a networking atmosphere complete with a live jazz band.

AVEVA would like to extend a warm thank you all of those who attended the event and wish you the very best this holiday season. We look forward to seeing you in 2010!

For more information about AVEVA's solutions or future events, please visit us online at www.aveva.com.

Attendees enjoy networking and the jazz band at the Reception.

Mike Featherston is demo'ing and Gary Hartley is the sales person.

NEW! SPED Online Courses

Society of Piping Engineers and Designers is now offering the following online courses:

- **PPD Piper BootCamp**

Ends in Level I Exam: Testing and Textbook Included

- **Process Plant Layout and Piping Design**

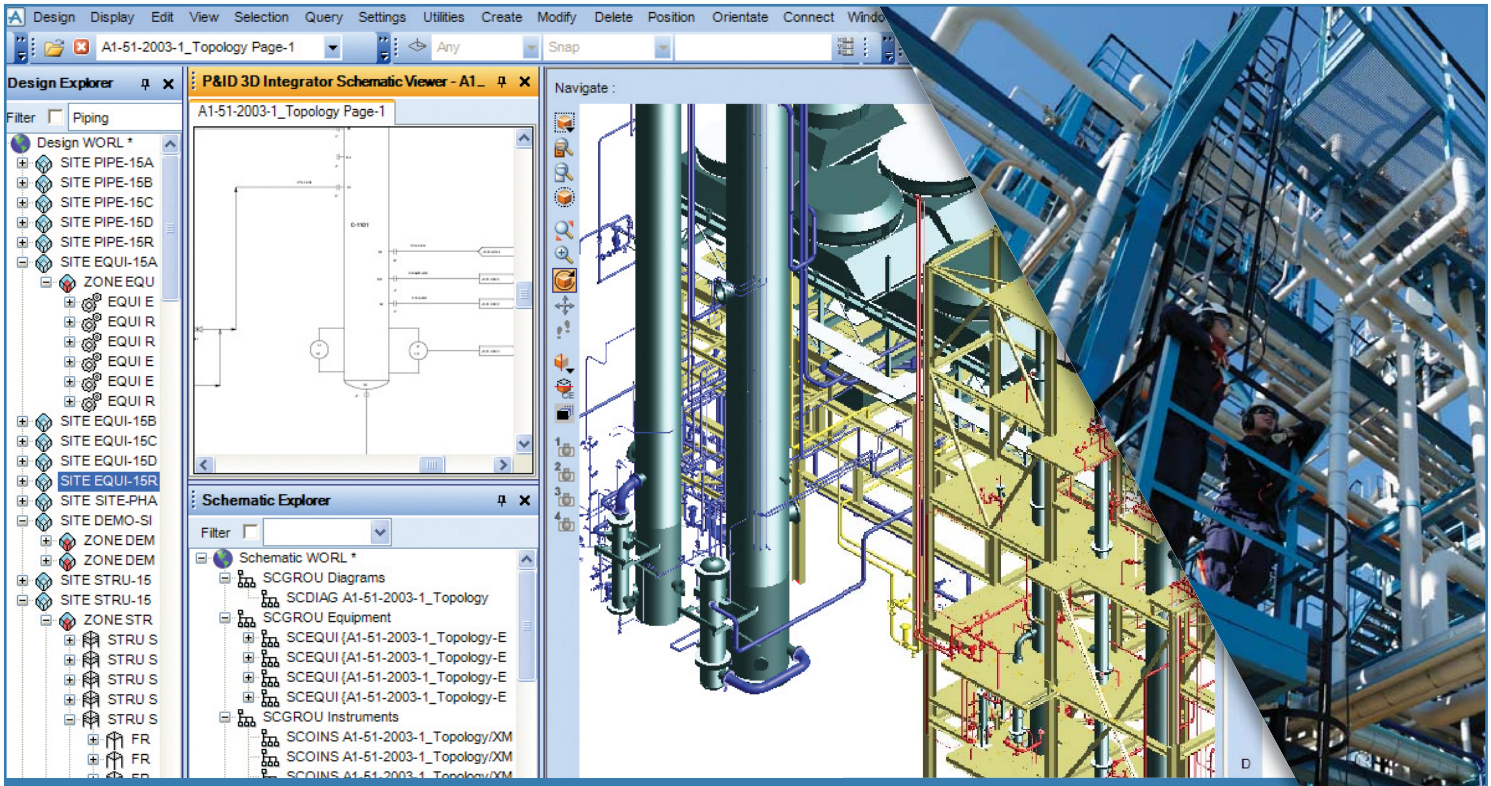
Ends in Level III Exam: Testing and Textbook Included

SESSION I 2010
January 18th - March 28th
Register early and get $100 off
Offer ends January 8, 2010

SESSION II 2010
February 22nd - May 2nd
Register early and get $100 off
Offer ends February 12, 2010

SESSION III 2010
March 22nd - May 30th
Register early and get $100 off
Offer ends March 12, 2010

Register online at www.spedweb.com
Email spedadmin@spedweb.com or Call 832.286.3404



AVEVA Plant

Integrated plant engineering and design technology

Engineering IT has come of age.

The days of inconsistent, disconnected 2D drawings, incompatible CAD formats and 'over the wall' project handover are being consigned to the history books.

Today, a powerful, integrated and collaborative IT environment supports every stage of project execution – AVEVA.

Whether on complex new-build projects or in-service revamps, the smallest inefficiencies or delays cost real money.

AVEVA Plant enables maximum productivity at every stage, reducing costs and timescales, eliminating the causes of errors, waste and rework, and removing limitations on project scale and global collaboration.

And it's the no-risk solution, proven on tens on thousands of projects by many of the world's most successful engineering businesses.

Find out how AVEVA Plant can make your business more competitive

Visit **www.aveva.com** to learn about the AVEVA Plant solutions, or **www.aveva.com/events** for opportunities to see them in action.

AVEVA
CONTINUAL PROGRESSION

AVEVA Inc
10350 Richmond Avenue
Suite 400
Houston, Texas 77042
Tel +1 713 977 1225

Power-Gen Keynoter Pans Climate Bill

Questar Corporation Chairman, President and CEO Keith O. Rattie slammed the US House Cap and Trade bill at the 2009 Power-Gen Conference as over 18,000 power industry professionals listened and applauded. Rattie observed, "Waxman-Markey is …government at its worst." The Power-Gen Conference was held in Las Vegas, Nevada in December, 2009.

Keith O. Rattie Addresses the 2009 Power-Gen Conference

Calling his Keynote, "Energy and Climate Realities" Rattie termed CO2 a "trace gas". "CO2 levels in the upper atmosphere have increased over the past 250 years from about 280 parts per million to about 380 parts per million today – that's .00038. What .00038 tells you is that CO2 – the gas we all exhale, the gas in a Diet Coke, the gas that plants need to grow – is a trace gas, comprising just four out of every 10,000 molecules in the atmosphere. Imagine a football stadium with 40,000 people in it. 380 parts per million CO2 is analogous to just 16 people in a stadium with 40,000 people. Everyone agrees that CO2's an important trace gas – there'd be no life on earth without it. And, yes, most scientists believe that man has caused much of this increase in CO2 levels…But that's where the alleged consensus ends."

Government Policy Based on Simulation

Rattie, a power engineer, said his perspective on global warming changed when he began to understand the limitations of computer models that scientists have built to predict future warming. "If the only variable driving climate were manmade CO2, then the math would be simple – global-average temperatures increase by a harmless 1 degree over the next 100 years. But the earth's climate is what engineers non-linear, dynamic system" and thus virtually impossible to model. The world's most sophisticated climate models have dozens of inputs. Many inputs are little more than the opinion of the – in some cases, just a guess. For example, clouds and water vapor. Many scientists believe that effect of clouds is to cool the earth by reflecting radiant heat from the sun back into space. But IPCC's [Intergovernmental Panel on Climate Change] climate models assume that clouds amplify human CO2 forcing [function]. While this is possible, it's an assumption and it's an assumption that some well-qualified scientists doubt. The point is: If you don't have consensus on how to model clouds, you don't have consensus on the significance of human CO2 emissions."

All this uncertainty, "and as Climategate reveals, computers can in fact lie – when humans make them lie. There are many other 'inconvenient' facts for those who claim that the 'science is certain.'"

Carbon Footprint of Bangladesh

Rattie showed that if Waxman-Markey is fully implemented, then by 2050, the American carbon foot print would have to shrink to 2.4 tons per person, an 83% reduction. "Question: When was the last time America's carbon footprint was as low as 2.4 tons per person per year? Answer: probably not since the 1800s, before Thomas Edison taught us how to use electricity, before cars, trucks, and planes. 2.4 tons is about the per-capita carbon footprint of Bangladesh, Cuba, and North Korea."

Rattie says it can't and won't happen because the public will not give up on its progress and prosperity:

"In short, an 83% reduction by 2050 means that by the time today's high school kids reach my age they won't be allowed to use much, if anything, made possible with – or by – fossil fuels. How on God's green earth – pun intended – are we going to wean ourselves from energy from fossil fuels in just four decades? We need to ask that question now – because when it comes to 'how,' there's clearly no consensus. Simply put, with today's technologies, we can't get there from here.

The hallmark of this dilemma is our inability to reconcile our prosperity and our way of life with our environmental ideals. We like our cars. We like the freedom to "move about the country" – drive to work, fly to conferences, take vacations. We aspire to own the biggest home we can afford. We like to keep our homes and offices warm in the winter, cool in the summer. We like devices that use electricity – computers, flat-screen TVs, cell phones, the Internet – and many other conveniences of modern life that come with a power cord.

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AVEVA to Offer Advanced PDMS Training for Unemployed Piping Designers

(Houston, TX January 11, 2010) – With the nation's economy slowly improving, the job market for piping design engineers has begun to show signs of life, particularly within companies using AVEVA PDMS who enjoy valuable competitive advantage. To meet the needs of unemployed designers returning to work, AVEVA Inc. has launched a free special educational course, to be held in Houston February 8-12, 2010, that aims to help them hone and advance their design skills on the latest software as they re-enter the workforce.

AVEVA, which provides engineering IT software for industrial and marine construction, recently introduced AVEVA PDMS 12.0 SP5, the latest version of its flagship piping design program. AVEVA's pipe design course will provide engineers the opportunity to learn the software and bring their skills in line with today's employer requirements and needs.

AVEVA has achieved a leading position as a supplier of engineering software by focusing on the vertical relationships between the engineer, fabricator, constructor and owner/operator. "We're confident that piping designers displaced by the current pause in capital investments can find employment in the same industries where AVEVA is prospering," said Paul Spring, AVEVA Technology VP. "Experienced piping designers can best prepare for those industries by training on the latest plant design software tools."

Piping designers interested in enrolling in AVEVA's course will be assessed by the Society of Piping Engineers and Designers (SPED). SPED will train less experienced piping designers and selectively refer more experienced ones to AVEVA for their course. "We welcome the chance to refer skilled pipers for more advanced training on PDMS," said William G. Beazley, SPED Executive Director. "Signs of pent-up demand for plants are everywhere. The best prepared will be the first to be hired."

For more information on the advanced training course, contact:

Amy Voss-Foster
SPED
832-286-3404
spedadmin@spedweb.com.

About AVEVA Group Plc
AVEVA is trusted around the world to deliver engineering IT solutions with strategic value to leading companies in the plant and marine industries. For further information please visit www.aveva.com/ednotes

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AVEVA Media Contact:

Jennifer Z. Lozier
Head of Marketing
AVEVA Inc.
Tel: (832) 204-5597
Jennifer.Lozier@aveva.com

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Power-Gen Keynoter Pans Climate Bill

We like food that's low-cost,high-quality, and free of bugs – which means farmers must use fertilizers and pesticides made from fossil fuels. We like things made of plastic and clothes made with synthetic fibers – and all of these things depend on abundant, affordable, growing supplies of energy…And guess what? We share this planet with 6.2 billion other people who all want the same things."

Free Markets will do the Job

Rattie believes that abundant supplies of natural gas and individual choices will lead to energy independence and emissions reductions. He cites a survey that says only 18% of Americans are willing to pay the 20% increased cost of Waxman-Markey. "So, if Americans aren't willing to pay a lot more for their energy, how do we reduce CO2 emissions? Well, we can all agree that we should improve energy efficiency, stop wasting energy, and conserve. We can all agree that where it makes economic sense we should substitute lower-carbon energy for higher-carbon energy. Well, here's breaking news: We don't need a 1,428-page bill to do all of this. We've already got an energy policy that's working. It's called the free market."

For more information on Power-Gen 2009, consult: http://www.power-gen.com/index.html. SPED will post a pdf of Mr. Ratties comments on www. spedweb.com.

Canadian Corner

ASET Calgary Chapter Executive Meeting

January 11, 2010, 5:30 P.M.
Location: Unicorn Pub Library Room, 304 8 Ave SW (on Stephen Ave Mall)

The ASET Calgary Chapter Executive usually meets on the first Monday of each month. All ASET members are welcome to attend and share ideas for chapter events. Snacks are provided by the chapter.

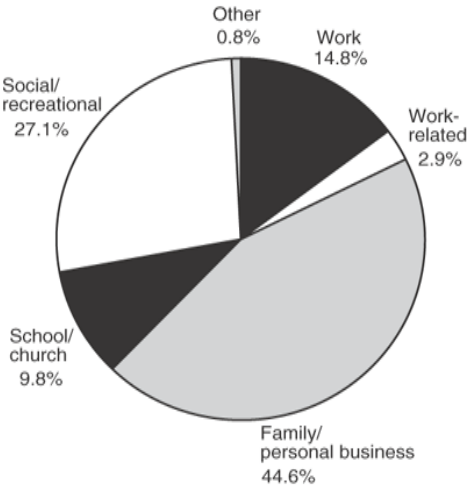
Contact Calgary Chapter Chair Keith Galliott, C.E.T.

Phone: 403.519.1132
E-mail: calgary@aset.ab.ca

http://www.aset.ab.ca/pages/home/default.aspx

Executive Director's Notes: A Little Pickup in Personal Travel Could be Very Good for Pipers

Although energy consumption (and gasoline consumption) is down, it could return very quickly. Slightly old data from the 2001 National Household Travel Survey shows that 27% of daily trips are social/recreational and nearly 45% is Family/personal business. *(see chart below[1]).*



The majority of daily trips, 87%, were taken by personal vehicle. Similarly, 90% of long-distance trips of 50 miles or more were made in personal vehicles.

This shows that, roughly, 70% of travel is highly discretionary and can easily be destroyed by high prices. This is exactly what we saw during the oil price spikes of the last few years. As many pointed out, people who didn't feel like driving to the mall to hang out also didn't shop.

Be mindful that many politicians talked DOWN the economy for most of late 2008/2009, further depressing consumer confidence and prolonging the downturn. As unemployment mounted, there was further reluctance to spend and, thus, travel to the store. In short, we all cut back to watch and wait.

Effect on Refineries

It has been crunch time for refiners.[2] The business of oil refining is mired in a deep crisis, with five refineries having shut down this year, including plants in Delaware, New Jersey, California and New Mexico.

This was predicted by demand destruction for gasoline relative to diesel.[3] John Kemp, Reuters columnist, writes, "U.S. refiners now have too much capacity and produce the wrong products (gasoline) in a fuel economy increasingly dominated by ethanol and diesel. Capacity cuts off as much as 0.5-1.0 million bpd (equivalent to 4-8 average refineries) and expensive investment to reconfigure the system to increase the diesel yield seem inevitable."

Much of the problem is that some US refiners lack the technical ability to "swing" from gasoline to diesel.[4] Michael Leister, Fuels Technology Manager for Marathon, says that, "Most US refineries have the capability to 'swing' a limited volume of heavier gasoline components into diesel fuel. This capability varies by refinery and is believed to be in the 6-8% range. High refinery utilization may reduce this capability. The swing decision is based on relative gasoline to diesel economics."

Historically, US refiners would seek to maximize gasoline production relative to diesel in spring and summer and maximize heating/diesel in fall and winter because of seasonal changes in demand. Leister says, "Refinery upgrades and expansions favored conversion units to make more gasoline. At full utilization, the last refinery barrel processed produced more distillate than gasoline. Spring and Summer were when refineries became profitable. A refiner would seek to maximize light product volume over heavy product production because of better expected sales value."

Those who lack in swing capability would be especially hard hit by a long term drop in gasoline demand because, in order to get diesel to sell at a profit, they would be forced to produce a product that would sell at a loss. Even a 6-8% swing capability can't repurpose enough fuel constrained to a market which has declined by double digits.

But that was then. What next?

I already offered the opinion that companies will be under pressure to grow their bottom line and flee from the dollar. Exxon Mobil Corporation (NYSE: XOM) and XTO Energy Inc. announced in December an all-stock transaction valued at $41 billion. The agreement, which is subject to XTO stockholder approval and regulatory clearance, will enhance ExxonMobil's position in the development of unconventional natural gas and oil resources[5].

But it is not hard to imagine that there is a lot of latent gasoline demand out there. If confidence just grows a little, discretionary driving could jump a lot. Increased use of gasoline this year could halt retirements and permit more investment in "swing" refining technologies. That adds to any government ordered emission compliance modifications.

In other words, a little pickup in driving could be very good for refiners. That would be very good for Pipers as well.

What could go wrong?

Politicians have an endless capacity to make things worse. Further demand destruction based on government mandates rather than markets will cause more retirement of less flexible refineries in the US. As a result, refiners probable have a wary, "make me expand" attitude. I would.

I am personally counting on a politician's first instinct, to get re-elected. So I don't expect they will pile on much more to make things worse.

1 http://www.bts.gov/publications/highlights_of_the_2001_national_household_travel_survey/

2 http://www.cnbc.com/id/34586103

3 http://blogs.reuters.com/great-debate/2008/12/01/bleak-outlook-for-us-oil-refiners/

4 http://www1.eere.energy.gov/vehiclesandfuels/pdfs/deer_2008/panel2/deer08_leister.pdf

5 http://www.businesswire.com/portal/site/exxonmobil/index.jsp?ndmViewId=news_view&ndmConfigId=1001106&newsId=20091214005563&newsLang=en

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SPED Adds Certification Options to HCCS/SPED Green Process Piper Program

3. Workforce Commission Website: http://www.twc.state.tx.us/boards/wia/wia_guidelines.pdf.

4. Other requirements are available from SPED.

5. PPD Level I Review and Exam (SPED Members). 4-8 years of in-line pipe routing experience, including spec-driving steel pipe routing, routing from rack to pumps and control valve stations, isolation and bypass lines for pumps, control valves and other equipment. Application of instrumentation and pipe supports is also required.

6. PPD Level III Review and Exam (SPED Members). Over 8 years of experience, including equipment spacing and orientation of towers, exchangers, furnaces, pumps, compressors and similar equipment. Familiarity with underground piping is also required. PPD Level I knowledge is also tested in selected areas.

SPED will review a candidate's resume and recommend an appropriate level of PPD Certification Exam.

"Although the Green Process Piper training is more extensive," says Bill Beazley, "it targets relatively new pipers. The new review options will help more experienced pipers add to their credentials." Participants in the Green Process Piper Program receive:

- Structured Curriculum including new Green Piping Design Principles
- Specialized Process and CAD Labs
- PPD Certification & Enhanced Skills Award (ESA) Certificate – AAS Degree Required for granting of the ESA

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

Other PPD specific training is available from SPED. Contact SPED for more details.

PPD Exam Testing will be done at the SPED Office at HCC Northline by appointment. Exams can be given elsewhere by SPED approved proctors at the applicant's expense.

For more information, contact:

Amy Voss-Foster, SPED
Green Process Piper Program Educational Resource Specialist
E-mail: gpp@spedweb.com
Subject Line: GPP: <Your Last Name>

February 8-10, 2010
The Woodlands Waterway
Marriott Hotel & Convention Center,
The Woodlands (Houston), Texas

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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
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SPED Calendar of Events, January 2010-March 2010

Dates & Time	Day(s)	Location	Cost	Membership
SPAR 2010 **February 8-10, 2010** **http://www.sparllc.com/spar2010.php**	M-W	Woodlands Waterway Marriott Hotel Houston, TX	TBA	Registration via SPAR POINT Website
DIGITAL PLANT 2010 (daratechPLANT) **March 1-3, 2010** **http://www.daratechplant.com/**	M-W	Hilton Americas Houston, TX	TBA	Registration via Digital Plant Website
CERAWeek 2010 **March 8-10, 2010** **http://www2.cera.com/ceraweek2010/**	M-W	Hilton Americas Houston, TX	Website For details	Registration via CERAWeek 2010 Website—Early Registration Options
FIATECH Technology Conference and Showcase **March 29-31 2010** **http://fiatech.org/2010.html**	M-W	Austin, TX	TBA	Registration via FIATECH Website
ECC 2010 - 42 Annual ECC Conference **September 1-4, 2010** **http://www.ecc-conference.org/**	W-S	Ritz Carlton, Orlando Great Lakes Orlando, FL	TBA	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	TBA	Registration via COADE Website

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SPED Staff

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

Andrea Macejak,
Manager of Operations

Sarah Evans,
Membership,
SPED Update

Amy Voss-Foster,
Education Specialist

SPED Training Calendar, January 2010-March 2010

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 **Spring 2010 TBA**		TBA	$1195	SPED Members Only
ECE Webinar: **Weld Mapping with CADWorx** **January 7th, 11:30 CST** **http://www.ecedesign.com/Webinars**	TH	Online	FREE	Registration Required via ECE PPD Certification PDU Acceptance
PPD Piper BootCamp Online **Starting January 18th—March 28th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By January 8th
PPD Process Plant Layout Online **Starting January 18th—March 28th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By January 8th
COADE: **Webinar: What's new in PV Elite 2010** **January 19th, 12:00 CST**	TU	Online	FREE	Register at http://coade.typepad.com/coadeinsider/2009/12/whats-new-in-pv-elite-2010-webinar.html
Piping Technologies & Products: **Constant Spring Supports** **January 21st, 10am & 2pm CST** **www.pipingtech.com**	TH	Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
COADE: **Caesar II User Group** **February 18th, 5:30 - 7:30 P.M., CST** **Houston, TX**	MON	COADE	FREE	Register at https://fs12.formsite.com/coade/form062121289/secure_index.html
PPD Piper BootCamp Online **Starting February 22nd—May 2nd** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By February 12th
PPD Process Plant Layout Online **Starting February 22nd—May 2nd** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By February 12th
PPD Piper BootCamp Online **Starting March 22nd—May 30th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By March 12th
PPD Process Plant Layout Online **Starting March 22nd—May 30th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By March 12th

Did you miss a Free Webinar? Don't worry. Most vendors have the webinars listed in an online library for viewing, go to the webinar hosting site and search in their online line library for a chance to see what you missed and SPED will give you PDU credit. Vendors with online webinar libraries are: AVEVA, COADE, and PT&P. What a valuable resource!!!