SOCIETY OF PIPING ENGINEERS AND DESIGNERS

SPECIAL POINTS OF INTEREST:

- **COADE Webinar: Developing Vessel Fabrication Drawings using PV Fabricator July 16th, 12:00pm CST, Online**
- **SPED Process Plant Layout Online Course, July 20th, Online**
- **SPED Piper BootCamp Online Course, July 20th, Online**

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SPED Update July 2009

VOLUME 2, ISSUE 7 JULY 2009

Free Training: Fact or Fiction and How Can You Find It?

First the facts, free training is out there for both the employed and unemployed. SPED is watching an exciting trend of software vendors providing free training and placement assistance to unemployed pipers. Fabricators and software vendors are also providing ongoing free webinars to service their users and clients.

Intergraph recently listed four classes of free SmartPlant Virtual training through their Houston, TX Office for unemployed workers and within hours all four classes were filled. In reaction, Intergraph is working to organize more classes at their Houston lab and local Houston community colleges. (Later in this article we will list the current software vendors and their contact information for assistance.)

In this tight market, training dollars that were available for in-company training have been converted to payroll. With advances of video conferencing the trend of webinars is taking flight. Companies like AVEVA , COADE and Piping Technologies and Products, have been providing webinars for at desk product review and new technology notification.

"In a time when so many customers are experiencing restricted travel, AVEVA wanted to ensure that we continued to reach our customers and deliver value to each of them," said Jennifer Z. Lozier, Head of Marketing, AVEVA, Inc. "AVEVA recognized the importance of providing access to product information in the most convenient way possible. Now through our webinar series, customers never have to leave their desk yet they can discover new solutions that can improve accuracy, enhance productivity and reduce project costs."

Managers who are struggling to find a training dollar, while projects are light can take advantage of this opportunity for free at desk training for their employees. Vendors have always looked for new ways to enhance usage of their products and webinars are a critical answer. In the past vendors visited companies with an in-person seminar but with a webinar, global users can be updated en masse. Most vendors even maintain old webinars for a virtual library of information.

SPED views the webinars as a wonderful opportunity to maintain PPD Certification. The current requirement for the Professional Piping Designer Certification is 30 PDU's (Professional Development Units) per year. An approved webinar, like those provided by AVEVA, COADE and PT&P can aid the piper in their achievement of career development and PPD Certification Annual Maintenance.
While the downturn in the Process Piping Industry has left many unemployed, the US Federal Government has tried to respond by sending funding to state workforce commissions. In the State of Texas $85 Million has been allocated for worker retraining, skill upgrading and placement assistance. This more than triples the 2008 budget. (Texas Workforce Commission, April 22, 2009)

These dollars filter down to the regional and local workforce offices for FREE training through local community colleges. At Houston Community College, in Houston, TX, Adult Continuing Education Unit (CEU) AutoCAD, CEU PDMS, and 18 hour Semester Credit Hour (SCH) Specialization in Process Piping Certificate are paid by the Texas Workforce for unemployed workers. (Continued on page 4.)

Come visit us at www.spedweb.com for more information.

SPED Announces Date of Annual General Business Meeting and Corporate Member Showcase

Dr. William Beazley, along with President Jack Belden and the SPED Board determined the 2009 Corporate Member Showcase and Annual General Business Meeting will be held at the Omni West Side Hotel November 17th. Plans are in motion for a successful meeting focusing on trends in the Process Piping Industry, and featuring a panel of speakers from each of these four areas: Software, EPC Firms, Recruitment and Manufacturing.

SPED will begin announcing the names of the panel speakers starting with the August 2009 SPED Update.

Randy Johnson (left), Bechtel, shows Bechtel's latest projects to attendee.

For its 2008 Annual General Business Meeting, the Society of Piping Engineers and Designers invited Corporate Members to exhibit new software and EPC Projects. SPED wanted to provide a new venue in which Process Pipers could interact with companies supporting the Process Piping Industry.

SPED Corporate Members AVEVA, Bechtel, COADE, Foster Wheeler, SNC-LAVALIN Engineers and Constructors, and Piping Technologies and Products exhibited at this first annual Showcase. This meeting featured a timely speaker, plenty of networking opportunities and lots of goodies for members to take home.

"Meetings if this type gather the Process Piper and Industry together...Its success proves that Pipers want to know what is happening in the market and continue developing themselves through education." Andrea Macejak, SPED Manager of Operations

"Meetings of this type gather the Process Piper and Industry together" said Andrea Macejak, SPED Manager of Operations in January's issue of the SPED Update. She continued "Its success proves that Pipers want to know what is happening in the market and continue developing themselves through education. In a competitive market the educated and certified Piper is even more valued because they help secure project success through efficiency for their employers.

Employers are always looking for the best technically skilled. We wanted to gather our Corporate Members to show their products and services to our members and the Process Piping Industry and allow them to interact."

The Corporate Member Showcase is a perfect complement to the Annual General Business Meeting where SPED informs its members from past year's events, financial report and future planning. This year's sponsorship has expanded to three levels of participation to meet our Corporate Members' needs.

Participation in the Corporate Member Showcase is limited, and sponsorships are already being secured. The final registration deadline for this year's Showcase is October 1st.
Packages and Prices for participation are detailed in the table on page three.

To reserve your space in the 2009 Showcase, contact SPED at 832-286-3404, or email spedsrvs@spedweb.com.

PLATINUM SPONSORS, $2,500 - *A total value of $3,145 plus*
The Three Platinum Sponsoring Corporate Members will receive:
8' x 10' Booth with 20 Individual Event Tickets, $500 - Booth , $150 – Corporate Member Priced Tickets
Corporate Logo on All Promotional Materials
Corporate Logo on the 2009 Annual General Business Meeting Corporate Showcase Website as Platinum Sponsor
Corporate Logo on 2009 Meeting Tote, a $400 value
Corporate Information Inclusion in the 2009 Meeting Tote, a $250 value
Corporate Sponsorship of Food, Beverage and Dessert Table, a $500 value
Full Page Advertisement in the 2009 November SPED Update, a $750 Value
One of Three Full Page Premium Placements in the 2009 Annual General Business Meeting Program on a *First Come, First Served* Basis:
Inside Cover - $595 Value
Back Cover - $595 Value
Back Inside Cover - $550 Value
SPED Advertising to Member and Piping Industry of Over 1,000 Names Will Include:
Two USPS mailings with Platinum Corporate Member Logo
Two Electronic Mailings with Platinum Corporate Member Logo

GOLD SPONSORS, $1,500 - *A total value of $2,200 plus*
Gold Sponsoring Corporate Members Will Receive:
8' x 10' Booth with 20 Individual Event Tickets
Corporate Logo on All Promotional Materials
Corporate Logo on the 2009 Annual General Business Meeting Corporate Showcase Website as Gold Sponsor
Corporate Logo on 2009 Meeting Tote, a $400 value
Corporate Information Inclusion in the 2009 Meeting Tote, a $250 value
1/2 Page advertisement in the November 2009 SPED Update, a $400 Value
Full page advertisement in the 2009 Annual General Business Meeting program excluding Inside Cover, Back Cover, and Back Inside Cover, a $500 value
SPED Advertising to Member and Piping Industry of Over 1,000 Names Will Include:
Two Electronic Mailings with Gold Corporate Member Logo
Two USPS mailings with Gold Corporate Member Logo

SILVER SPONSORS
Silver Corporate Members are Supporting The Meeting Through One or More of The Following Choices:
8' x 10' Booth *with 10 Individual Event Tickets* - $500
2009 Annual General Business Meeting Program advertisement:
Full page Ad - $500, or
½ Page Ad - $400
2009 Annual General Business Meeting Tote:
Corporate Logo on Tote - $400
Corporate Information Inclusion in Tote - $250
Corporate Sponsorship of Food, Beverage or Dessert Table - $500

Free Training: Fact or Fiction and How Can You Find It? (cont. from page 1)

At daratechPLANT 2009, Bentley announced free MicroStation training for unemployed workers...Their approach was to keep their users project ready in spite of layoffs and offer the service to their clients of a pool of warm people ready for employment.

In the case of the HCC 18 SCH Process Piping Specialization Certificate, all course work counts toward their HCC Drafting and Design 60 SCH Two Year Associate Degree Specialization in Process Piping. A deal by any standard. MacComb Community College in Detroit Michigan is currently training unemployed Automotive Designers to become Process Piping Designers using government grant funding.

Free Virtual training by software companies has taken off. At daratechPLANT 2009, Bentley announced free MicroStation training for unemployed workers. They even included a site for resume postings for companies to look at designers. Their approach was to keep their users project ready in spite of layoffs and offer the service to their clients of a pool of warm people ready for employment. Software companies like Intergraph have joined in following this approach. It appears that other software companies may follow suite to compete with a helpful approach to their clientele.

The bottom line is stretch your cash whenever you can by taking advantage of free training so you can save your money for more expensive training to keep you cross-marketable.

Our list of vendors for free Software training:

MicroStation – Bentley
http://www.bentley.com/en-US/Community/Academic/Be+Employable/

SmartPlant - Intergraph
http://www.intergraph.com/promo/smartcareer/default.aspx

Workforce Solutions Approved Training at HCC – AutoCAD, PDMS

Contact: Marvin Griffin, HCC Drafting and Design Chair
713-718-5255 or Marvin.Griffin@hccs.edu

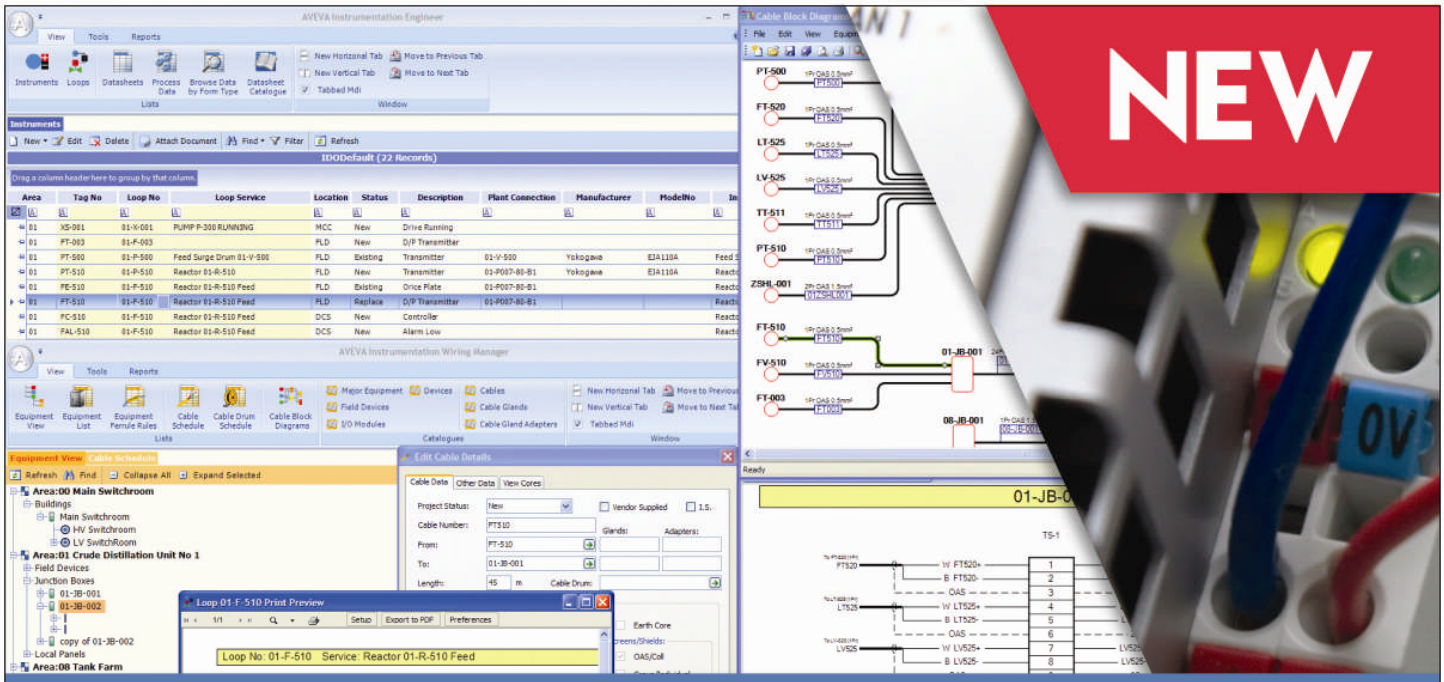
Or Wayne Pierce, HCC Continuing Education Program Manager
713-718-7641 or Wayne.Pierce@hccs.edu

Andrea Macejak, SPED Manager of Operations

SPED FREE Training Calendar—July—October 2009

Dates & Time	Day(s)	Location	Cost	Membership
COADE Webinar: Developing Vessel Fabrication Drawings using PV Fabricator **July 16th, 12pm CST** **www.coade.com**	TH	Online	FREE	Registration Required via COADE PPD Certification PDU Acceptance
AVEVA Webinar: AVEVA Review 12.0 and AVEVA ReveiwShare 1.2 **July 22, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
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

Table continued on page 11.



FINALLY – a real choice for Instrumentation...

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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.

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.

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**

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www.aveva.com

Industry News Snapshots

US$265bn forecast of total pipelines and control lines capital expenditure for 2009 through 2013...estimated increase of 68% growth over the previous 5 years. (Source: Infield Systems Ltd. www.infield.com)

Source http://www.contractorsunlimited.co.uk/index.shtml

Technip Awarded Two Major Contracts for New Jubail Export Refinery in Saudi Arabia
July 10, 2009 Technip awarded two major lump sum turnkey contracts by the Saudi Aramco Total Refining and Petrochemical Company (SATORP) for two packages which are part of a grassroots refinery to be built at the Jubail industrial area in Saudi Arabia.

Aker Solutions Enters Brazilian Installation Market
July 8, 2009 Aker Solutions has signed a contract with Maersk FPSOs to perform the mooring installation work at the Peregrino field offshore Brazil. The contract is the first marine installation job for Aker Solutions in Brazil and marks the start-up of the company's marine operations unit in the country.

Wood Group Provides Commissioning & Start-Up Services for BP Colombia
July 7, 2009 Wood Group Colombia receives two-year contract from BP Exploration Company (Colombia) to provide commissioning and start-up services for new projects in the Casanare region of Colombia.

Fluor Secures Kearl Oil Sands Contract in Canada
July 7, 2009 Fluor awarded engineering, procurement and construction contract for infrastructure and offlease facilities for first phase of Imperial Oil's Kearl oil sands project, a surface mining and bitumen extraction operation located 70 kilometers northeast of Fort McMurray, Alberta.

Subsea 7 Awarded Contract in Angola
July 6, 2009 Subsea 7 pipeline engineering, construction and installation contract in Angola, offshore West Africa. The project is valued in excess of $(US) 150 million.

Subsea 7 Awarded EPIC Contract by BP Norway
July 2, 2009 Subsea 7 has been awarded a contract from BP Norway, for engineering, procurement, installation and commissioning (EPIC) of the Valhall Flank Gas Lift Pipelines and Wellhead Platform Riser Caisson project in the Norwegian sector of the North Sea. Project management and engineering will be performed at Subsea 7's offices in Stavanger, Norway.

Petrofac Awarded Kauther Gas Field Depletion-compression Project
July 2, 2009 Petrofac awarded contract worth more than US$350 million for the Kauther gas-field depletion-compression project. Contract awarded on behalf of Government of Oman by Petroleum Development Oman.

Babcock & Wilcox Subsidiary Awarded Contract to Downblend Highly Enriched Uranium
July 1, 2009 McDermott International announced today that subsidiary of The Babcock & Wilcox Company awarded contract to downblend over 12 metric tons of highly enriched uranium into low enriched uranium at its Erwin, Tennessee facility.

Acergy S.A. Awarded SURF Contract Offshore Australia
July 1, 2009 Acergy awarded SURF contract from BHP Billiton for construction support services for project located offshore Western Australia. Project will be managed from Acergy's office in Perth, Australia with offshore installation, using the Toisa Proteus, commencing in the second half of 2009.

More News: Pipeline & Control Lines Market Update Report 2009-2013

SPED recently received a very interesting overview of the Global Perspectives Pipelines & Control Lines Update Report 2009/13 from Infield Systems Limited. (www.infield.com) We stopped in our tracks at a US$265bn forecast of total pipelines and control lines capital expenditure for 2009 through 2013. Infield Systems Ltd. also estimated an increase of 68% growth over the previous 5 years. If this is true, the ramifications would be a healthy increase for all sectors from fabrication to design. May it be so. See below for the overview and information to obtain a copy.

The Offshore Oil & Gas Pipelines & Control Lines Market

With the long-term prospect of increasing global energy demand, securing future energy supplies has

Industry News Snapshots (continued)

become a common global issue. For those countries with dwindling production rates or low hydrocarbon reserves, the pressure for energy security is set to increase. Those with abundant reserves will strive to attract investment to enable adequate development to meet both domestic and foreign energy demands. As a consequence of these demands, we have seen growth in the offshore oil and gas industry since 2004. A lower price outlook and lack of available credit have questioned the future development of reserves, but growth in the industry is still expected to continue.

Pipelines and control lines installation trends have mirrored those of the larger offshore industry, representing their crucial role within the offshore oil and gas infrastructure.

Infield forecasts the total pipelines and control lines capital expenditure to exceed US$265bn over the 2009 to 2013 period. This equates to 103,435km of lines being installed, of which 81,293km will be pipelines and 22,142km will be control lines. Combined, these represent an increase of 68% in installations on the previous 5 years. The forecasted increase will be dominated by growth in the pipelines market, with a significantly slower growth in the control lines market. A considerable percentage of the forecast pipeline expenditure is related to far advanced trunklines, many un-connected to specific field development projects and as such key infrastructure development.

The next five years indicate a change in market demographics, in which all pipeline segments will hold fairly equal shares of the installation market. This follows a period in which conventional pipelines dominated the installation market; highlighting the industry's historically favoured shallow water developments. However, as shallow water production rates fall, the industry has sought to discover and develop deeper water reserves. As a consequence, SURF installations have grown in the previous 5 year period, and are set to continue increasing in the forecast period. The largest pipeline installation growth is expected in the trunk/export lines sector, further characterising the increasing demand to secure a diversified mix of future energy supplies.

You can buy online from the Infield Shop or download the Pipelines & Control Lines Market Update Report leaflet and contents list from here. (http://www.infield.com/)

Executive Director's Notes: Time to Get That Degree...and MORE by Bill Beazley

OK, we all know we are in a slump. Right now, there are layoffs and sporadic hiring. So, what should you do about it?

If you are working, keep working if you can. If you are worried about being laid off, or have been laid off, it is time to plan for the future and take action on the plan NOW!

The greybeards in town will tell you that this is not the first slump in EPC and it won't be the last. I joined Brown and Root Houston Marine Division in 1979 only to see the oil shock of the '80's. Before it's started, you could find good work across the board. When it came back, you had to know CAD (AutoCAD, AutoTrol, etc.) to break into the business. The old timers either retired or became checkers and managers.

"When this cycle ends new pipers will have to show advanced training beyond a 2 year degree to compete." William Beazley, PhD, SPED Executive Director

The cycle after that, you then had to know 3D CAD and, better yet, a 3D modeling system. SPED classes on PDS were full and we trained many hundreds of pipers on that system. We have a waiting list of 175 plus to take these classes.

After the last cycle ended, the bigger companies required at least a two year associate degree in CAD to break in to piping. It was a requirement to get into the Fluor Houston piper training program. KBR was usually recruiting pipers with 4 year degrees. During the Houston Community College /SPED Accelerated Piper Program, we found it was easier to place graduates who did have at least a two-year AAS from a recognized US program.

You would think that pipers would know by now that the bar had been raised. Think again.

We checked with HCC on their piping program and enrollment has dropped, not increased. There are multiple reasons. Dimmer prospect for jobs, bad press on the economy. More than anything, however, is that most students work during the day and go to school at night: Even working pipers are afraid to spend money they might need for rent or a car payment.

Let me tell you one true thing, THERE IS ALWAYS MONEY AVAILBLE FOR GOING TO SCHOOL. Check with financial aid, check with your employer, check with Workforce Solutions (if you are unemployed). There is money. Don't let a little paperwork keep you from finishing a degree. A financial aid application is not a tax return.

When this cycle ends, in my opinion, new pipers will have to show advanced training beyond a 2 year degree to compete. Think about it. For a year or two, there will be pipers floating around with years of experience and some will have college degrees. To compete against them, you will need a degree plus training on PDMS, PDS, SmartPlant, AutoPlant, CADWorx and/or, most probably, Certification.

The point is that there are no quick fixes to getting the next job. It is cold and crowded out there and every piping manager can see India, The Philippines, Mexico, and China from any building in the world. To stay competitive, you have to be really, really good and really, really trained. The good news is that this is really, really easy to do.

SPED Offers PPD Level I Review & Exam in Conjunction with the COADE User Conference

Preceding this year's COADE User Conference, SPED will be offering a special one day PPD Certification Level I Review and Exam taught by Dr. William Beazley, SPED Executive Director. The SPED Professional Piping Design Certification is an internationally accepted piping credential.

The course will be presented Sunday, August 27th, 9 AM to 5PM at The Woodlands Waterway Marriott Hotel and Convention Center. The cost will be an additional $300 and will include the exam fee.

Information regarding SPED PPD Certification can be found on the SPED website at www.spedweb.com.

This is an intense review of the most common topics covered in the PPD Level I Exam. Current topics are:

Introduction to Process Plant Design	Pipe Racks
Design Phases & Information	Pipe Layout
Pipe Manufacturing & Fabrication	Specification
Pipe Assembly	Pipe Supports & Hangers
Typical Fabrication	Pressure Vessels
ISO's Pipe and Weld Materials	Introduction to Pipe Stress and B31.3
Valve Types & Applications	P&ID Symbols & Control Loops
Self-Actuated Valves	Instrumentation
Pump Layout	Pipe Routing

SPED offers a more complete coverage of these topics in its online PPD BootCamp Course.

Anyone interested in attending can register should register at the SPED website online or contact the SPED Office at 832-286-3404.

Information Assets, Inc. Becomes 2009 SPED Annual General Business Meeting Platinum Sponsor and Corporate Member Showcase Exhibitor

Information Assets, Inc. has become a Platinum Sponsor of the 2009 SPED Annual General Business Meeting. Platinum Sponsorship is the highest level of support of the meeting, which features a Corporate Member Showcase and piper-oriented speakers.

IAI has long supported SPED through its training videos and online training. In addition, piper training that IAI performs in several venues are designed to end in SPED Professional Piping Designer Certification.

For more information on IAI, consult their website: www.infoassets.com

For more information on SPED's Annual Meeting contact: Sarah Evans at spedsrvs@spedweb.com or 832-286-3404.

DTE Energy Helps New Piping Designers See Real-World Applications

DTE Energy gave some newly trained piping designers their first look at a working piping application in a tour of the Belle River Power Plant in, China Township, MI. The tour of the power plant completed a 6 week training course at Macomb Community College for unemployed automotive designers funded by Michigan's No Worker Left Behind program. DTE Energy serves 2.1 million electric customers in Southeast Michigan through its Detroit Edison subsidiary. 16 students and 3 instructors toured the plant. The tour was arranged by John C. Dau, Plant Manager, and lead by Lezley K. Filzek, DTE Reliability Engineer. Belle River is a coal-fired power plant with a maximum capacity of 1280 MW per hour.

"It's one thing to study this in the classroom," said one student. "It is quite another to see it in a working plant."

Power plants powered by coal and other fuels have piping designed to answer their unique needs, such as high temperatures, high pressures and fuels. "The Belle River Power Plant has very large piping with very thick walls to handle the water and steam used by our boilers and turbines," said Matt Lohmeier, an Engineer at DTE Energy. "Some pipe is lined with ceramic materials to tolerate abrasive coal flow."

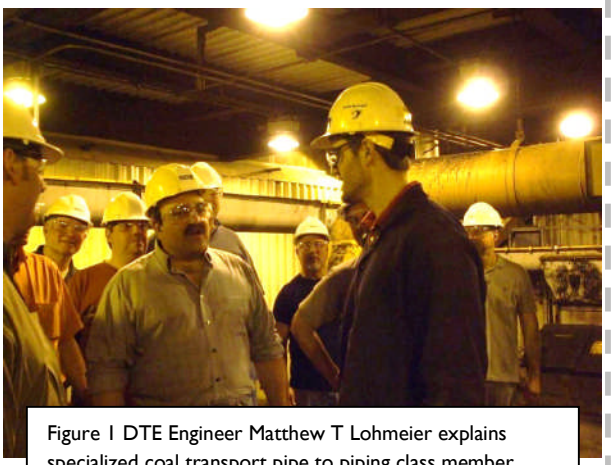

Figure 1 DTE Engineer Matthew T Lohmeier explains specialized coal transport pipe to piping class member Dave Brooks (Photo by Lezley Filzek, DTE Energy)

The new pipers followed DTE engineers throughout the plant, asking questions and marveling at the coal mills, boilers, turbines, exchangers and pumps. "It's one thing to study this in the classroom," said one student. "It is quite another to see it in a working plant."

Belle River Power Plant is a major coal-fired power plant owned by Detroit Edison, a subsidiary of DTE Energy. First, five peaker diesel generators (named DG 11-1, 2, 3, 4, and 5) were built in 1981, with the total output of 14 MW (megawatt) per hour. Coal-fired unit 1 of the Belle River plant was completed in 1984, followed by a similar unit 2 in 1985. Each unit has a nameplate capacity of 697.5 MW per hour, however the coal-fired plant as a whole generates approximately 1280 MW per hour all year around. In 1999, three natural gas-fired peaker units (named 12-1, 12-2, and 13-1) were added to the site, with the total name-plate capacity of 256 MW per hour. These peaker units are used to provide peak power when high loads are forecasted.

(For more information, see: http://en.wikipedia.org/wiki/Belle_River_Power_Plant)

Figure 2 DTE Engineer Sean A McCarthy explains steam turbine driven generators to Macomb class (Photo by Lezley Filzek, DTE Energy)

The innovative training course to retrain automotive designers for piping work was developed by Talascend, a local placement company with a large staff of designers needing to find new areas to apply their skills. They partnered with Michigan Technical Education Center (M-TEC[SM]), the corporate training arm of Macomb Community College. Each graduate takes the SPED Professional Piping Designer Level I Certification Exam. So far, MTEC graduates have had a 100% pass rate. MTEC arranged the funding from the State of Michigan No Worker Left Behind Program.

For more information on the MCC Piping Training, contact: Ann Spaven, Administrator - Talascend Global Training Academy, 5700 Crooks Rd. Suite 420, Troy, MI 48098, Direct: (1) 248 537 1287, Fax: (1) 248 537 1353, Ann.Spaven@talascend.com, Web: www.talascend-gta.com.

Free Training: Fact or Fiction and How Can You Find It?

(cont. from pg4)

SPED FREE Training Calendar—July—October 2009

Dates & Time	Day(s)	Location	Cost	Membership
AVEVA Webinar: Introduction to AVEVA NET August 5, 11:30 CDT http://www.aveva.com/products_services_events.php	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
COADE Webinar: Automatically Updating Isometric Title Blocks and Attributes August 6, 12:00 pm CST http://coade.typepad.com/cadworx/	TH	Online	FREE	Registration Required via COADE PPD Certification PDU Acceptance
Piping Technologies & Products August 6, 9am & 3pm CST www.pipingtech.com	TH	Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
Intergraph SmartPlant Virtual Training August 17-21, 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.
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
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.
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.

COADE Extends Early-Bird Discount Until August 1 for COADE User Conference, scheduled for September 28-30 in Houston

The 2009 COADE User Conference, an expansion of the successful 2008 CADWorx User Conference attended by 300 people from across the globe, will feature product-specific sessions on all of COADE's products.

HOUSTON, TEXAS – July 10, 2009 – COADE announced today that the company has extended the early-bird discount until August 1, 2009, for the COADE User Conference, scheduled for September 28-30 in Houston, Texas.

"Over the last couple of months, we spoke with many potential attendees who have expressed a desire to attend this year's COADE User Conference," explained Vornel Walker, COADE's VP of Marketing. "Because of the prevailing economic climate and tighter budget approval processes, many told us that they needed more time to secure approval and funding." Those registering by the August 1 deadline will receive a $200 discount off of the regular fee.

The 2009 COADE User Conference, an expansion of the successful 2008 CADWorx User Conference attended by 300 people from across the globe, will feature product-specific sessions on all of COADE's products, including CAESAR II, the world's most widely used pipe stress analysis software; PVElite for pressure vessel and heat exchanger design and analysis; the CADWorx Plant Design Suite for intelligent plant design modeling and process schematics; and TANK for the design and analysis of oil storage tanks. A keynote address will be delivered by Thomas J Van Laan, PE, President and CEO of COADE. Details on the 2009 COADE User Conference are at www.coadeuserconference.com/2009/.

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.

Contacts:
Gary Carson 1.713.668.8550 gcarson@equamark.com
Vornel Walker 1.281.890.4566

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

Register by August 1st and Save $200!

CADWorx® | CAESAR II® | PV Elite™ | TANK™

2009 COADE User Conference

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.

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July 20th - September 25th

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.

Early Registration Fee ends July 10th: $1,400

Registration fee after July 10th: $1,500

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

SPED Calendar of Events-July—November 2009

Dates & Time	Day(s)	Location	Cost	Membership
PDS I Summer 2009 TBA		TBA	$1195	SPED Members Only
Oil Sands Heavy Oil Technology Conference July 14th– July 16th www.oilsandstechnologies.com/	T-TH	Calgary TELUS Conference Center Calgary, Alberta CANADA	$995	Registration Required—website
PPD Piper BootCamp Online Starting July 20th—September 25 Early Registration Discount		Online	$1500 $1400	SPED Members Only Registration By July 10th
PPD Process Plant Layout Online Starting July 20th—September 25 Early Registration Discount		Online	$1500 $1400	SPED Members Only Registration By July 10th
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
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	

SPED Training Calendar -July—November 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 Summer 2009 TBA		TBA	$1195	SPED Members Only
Intergraph SmartPlant Virtual Training July 13-17, 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 Training Calendar -July—November 2009

Dates & Time	Day(s)	Location	Cost	Membership
COADE Webinar: Developing Vessel Fabrication Drawings using PV Fabricator **July 16th, 12pm CST** **www.coade.com**	TH	Online	FREE	Registration Required via COADE PPD Certification PDU Acceptance
PPD Piper BootCamp Online **Starting July 20th—September 25** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By July 10th
PPD Process Plant Layout Online **Starting July 20th—September 25** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By July 10th
AVEVA Webinar: AVEVA Review 12.0 and AVEVA ReveiwShare 1.2 **July 22, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
AVEVA Webinar: Introduction to AVEVA NET **August 5, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
COADE Webinar: Automatically Updating Isometric Title Blocks and Attributes **August 6, 12:00 pm CST** **http://coade.typepad.com/cadworx/**	TH	Online	FREE	Registration Required via COADE PPD Certification PDU Acceptance
Piping Technologies & Products **August 6, 9am & 3pm CST** **www.pipingtech.com**	TH	Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
Intergraph SmartPlant Virtual Training **August 17-21, 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.
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
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
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.