SOCIETY OF PIPING ENGINEERS AND DESIGNERS

SPED Update June 2009

VOLUME 2, ISSUE 6 JUNE 2009

SPECIAL POINTS OF INTEREST:

- PT&P Webinar: Field Services: Installation, Maintenance and Inspection, July 9th, 9am & 2pm CDT, Online
- 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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Productivity and Attitude Trump Experience and Pay Rate

William Beazley, SPED Executive Director

Everyone has become an amateur economist and I am no exception. I am constantly trying to figure out what is what in the process industry WITHOUT the benefit of statistical data on Piping Designers. I have, however, been able to chat with quite a few hiring Piping Managers so I have a few conclusions to offer. The managers spoke frankly so I won't use their names and will disguise their comments.

First of all, the huge backlog that allowed pipers to get so greedy has collapsed but work continues. Many of the managers had reduced staff and expected more reductions if things don't change. So, I asked, what criteria they used to choose the keepers and select the ones to cut loose.

The number one criteria, was productivity. If a piper was a steady producer with a good attitude, then he tended to stay on the keeper list. How much the piper made didn't seem as important as production and attitude.

Experience and career years remaining were also far down on the list. "I get calls all the time from someone who bailed for a few dollars more," said one manager. "Now they are sorry and want to come back. All I can remember is that speech they gave me in my office."

Managers are saying that SPED training and certification was a positive factor for new pipers. It was less of a factor for more experience pipers only because most managers know the top pipers in Houston or know their bosses that they claim to have worked for. "A guy with 15 or 20 years experience would not still be in this business if they weren't any good," said one.

The companies that had the biggest drop in work seemed to value a varied set of work experience. "I don't know what the future workload will look like so I like to have flexible designers," said one.

Most of the managers are pushing their pipers to stay current. They liked the open house and tour sponsored by Piping Technology and Products. They welcome their pipers sitting in on "brown bag" classes and are encouraging them to attend college classes. The trend is definitely that 2 year associate degrees are soon to be a requirement of new trainees. Still, many say that they still rate attitude, work ethic and professional outlook over education (although it IS considered).

So I hope you didn't get TOOOOO greedy during the boom over the last few years. If you did, it's time to bring your boss an apple and make sure he sees you working late. If he asks you to do one of those dirty jobs that Mike Rowe profiles on the Discovery Channel, be sure to hold your nose and say yes.

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

jump to your feet and high five him with a smile on your face! What goes around comes around and those managers that have to sit through those "right sizing" strategy sessions with the bean counters are going to share their pain.

Finally, I keep hearing that we will need three months of over $70 a bbl oil and a recovering economy to convince clients' lenders to loan for new projects. (The scuttlebutt is that the Obama Administration wants oil at $100 a bbl to incentivize their green revolution but I have not read this.) The clients with strong balance sheets are just waiting to see how cheap the bids will get: They may all rush for the door in the last quarter of this year. By next year, your loyalty to your employer and hard work should be rewarded.

William G Beazley, PhD
President
Information Assets, Inc.
9211 West Rd.
Suite 143-191
Houston, TX 77064
713.443.9914
http://www.infoassets.com/

"The positive response by local pipers means we will do this again with PT&P and other facilities," said Jack Belden, SPED President.

Piping Technologies & Products and SPED Open House Success

The Open House at Piping Technologies & Products hosted by the PT&P and SPED had high attendance due to strong support from local piping managers. The event drew over 130 participants. PT&P featured tours of their facilities and technical demonstrations by engineers and technical experts who design, manufacture and support the products. PT&P has been a SPED Corporate Member from its inception and contributed to SPED in numerous ways.

SPED awarded 1 PDU (Professional Development Unit) for the event. PDU's count toward Professional Piping Designer Certification Renewal.

Local piping managers were eager to use the open house for staff education and widely circulated the invitation. One large EPC firm sent over 30 piping engineers and designers and employees from several firms were in attendance.

The chance to personally visit manufacturing and operating facilities has become rarer in today's liability conscious environment. PT&P has long distinguished itself by offering tours and open houses to heighten awareness of their products and technology. "The positive response by local pipers means we will do this again with PT&P and other facilities," said Jack Belden, SPED President.

Tours were given of the 450,000 square foot facility. Attendees were treated to demonstrations of Polyurethane foam and its application to piping insulation in the Foam Shop. Attendees also watched a constant engineered spring support testing and were instructed in the extra safety parameters needed for best practices. They toured the cutting and welding areas to see the fabrication process live.

Bill Mahler, Piping Technologies and Products, speaks to tour group about Fabrication of pipe supports at May 13, 2009 PT&P Open House.

Attendee response was very positive. For some it was the first opportunity to see the fabrication process. Several students from neighboring colleges attended. Lee Community College and Houston Community College were represented.

SPED would like to thank PT&P for their hospitality and generous support of education in the Process Piping Industry.

PT&P Open House May 13, 2009 Attendees participate in piping related games in sorting area of facility after touring fabrication areas.

About Piping Technology and Products

PT&P is located just a few miles from the Port of Houston, the largest port in the United States, PT&P and its wholly owned subsidiaries manufacture and provide engineering services at its own 30 acre facility. PT&P quickly and conveniently transport their products to customers in a timely manner. With over 450,000 square feet of covered shop space, PT&P's manufacturing facilities are capable of fulfilling the needs of each customer and their requests.

Visit www.pipingtech.com for more information about Piping Technology and Products.

Do You have More News for US?

Do you want more information about an article found in the SPED Update? Do you know of a conference we need to add to our calendar? Contact the SPED Office, 832-286-3404 or Sarah Evans, SPED Creative Services Manger and SPED Update Editor, spedsrvs@spedweb.com.

We are always looking for articles, piping photos, and CAD graphics. Some of the best articles have been forwarded by SPED Members. We love hearing from you.

National Petroleum Construction Company increases its use of AVEVA Plant

According to Dr Ahmad Kurdali, Engineering Director of NPCC: "We are going to use PDMS throughout all phases of the project. After the 3D modeling and design, drawings and isometrics will be generated by PDMS. We will also be integrating the PDMS model with the structural steel detailing software to optimize the production of fabrication drawings."

Dubai, UAE, 3 June 2009. AVEVA (LSE:AVV) today announced that National Petroleum Construction Company (NPCC), a global oil & gas EPC contractor, has chosen AVEVA Plant for use on its part of the Integrated Gas Development Project - Habshan Platform Offshore Facilities (IGD-HAP) for ADMA OPCO.

NPCC, whose fabrication facilities are located at Mussafah near Abu Dhabi city, is a leading Offshore EPC contractor in U.A.E., Qatar, Iran, Saudi Arabia, India and other neighboring Gulf and Middle Eastern countries. NPCC provides its clients with total Engineering, Procurement and Construction (EPC) services in the development of offshore and onshore Oil and Gas fields.

NPCC first used AVEVA PDMS, which is part of the AVEVA Plant portfolio, on ADMA OPCO's project comprising two new well head towers (US 40/56 and US 40/24) located in the Umm Shaif field. Now, they are extending their use of PDMS on the IGD-HAP project, which consists of an offshore gas processing platform that performs gas separation and dehydration. The project also includes a remote flare tower, a 46" main gas line to Das island and interconnecting bridges between IGD-HAP and the existing Umm Shaif Super complex.

AVEVA PDMS has multi-discipline capabilities proven on many large offshore and onshore projects, from front end design through to construction engineering. NPCC Engineering utilises this state-of-the-art industry standard software in various disciplines for the execution of projects.

According to Dr Ahmad Kurdali, Engineering Director of NPCC:
"We are going to use PDMS throughout all phases of the project. After the 3D modeling and design, drawings and isometrics will be generated by PDMS. We will also be integrating the PDMS model with the structural steel detailing software to optimize the production of fabrication drawings."

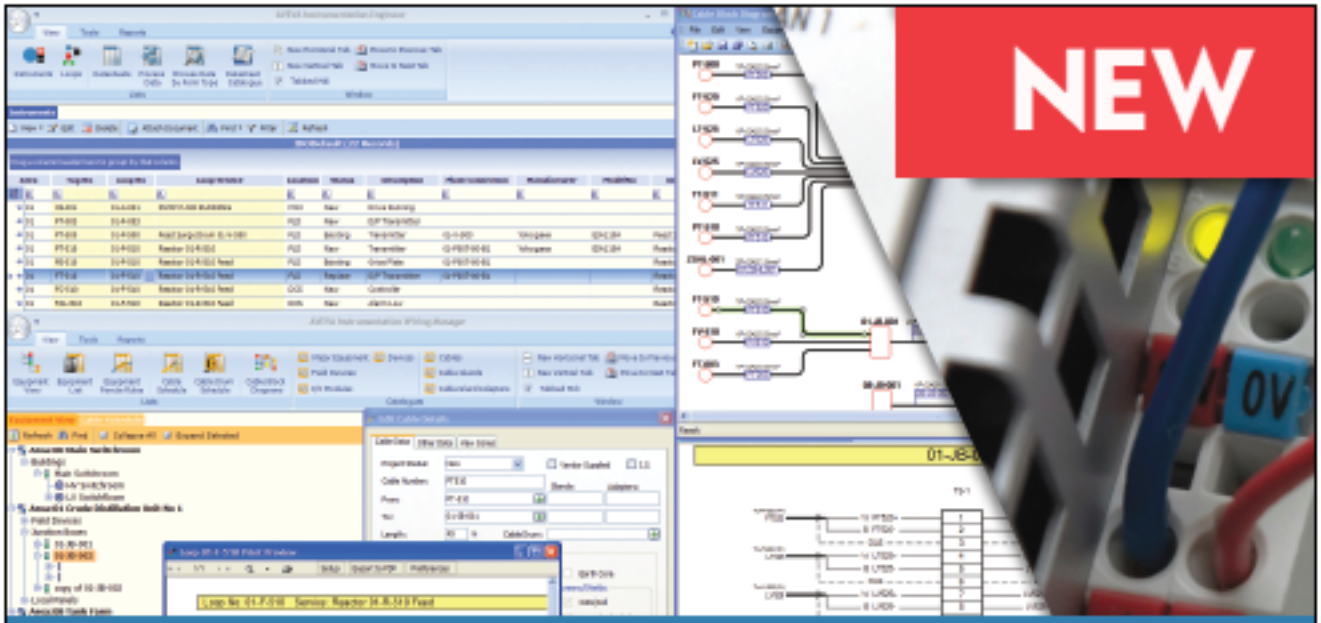
Louay Dahmash, Vice President of AVEVA Middle East comments:
"We are delighted to continue working with NPCC. Once again AVEVA's unique technology has proven itself and we look forward to providing more services to NPCC in the future."

For further information, please contact:

Elvis Mert
AVEVA
Tel: +971 4 391 0966
Elvis.mert@aveva.com

About AVEVA Plant

AVEVA Plant is an integrated solution for plant engineering, design and design management. It is composed of a set of integrated applications which allow engineers and designers on multiple sites to concurrently create, control and manage change to plant engineering and design data in a model database as a project is developed in the most productive and risk-free way. www.aveva.com/plant



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Powerful...

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- Security features ensure reliable data.

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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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AVEVA Inc
10850 Richmond Avenue
Suite 400
Houston, Texas 77042

Tel +1 713 977 1225
sales.us@aveva.com
www.aveva.com

Industry News Snapshots

Source: Contractors Unlimited

http://www.contractorsunlimited.co.uk/news-int1.shtml

Shell and Sovcomflot Sign Shipping Co-operation Agreements, June 27, 2009

Novo-Ogarevo, today, Open Joint Stock Company 'Sovcomflot' and Shell International Trading & Shipping Company Limited (Shell) signed a General Cooperation Agreement. The General Cooperation Agreement covers cooperation between the two companies in potential liquefied natural gas shipping projects in Russia, including on the Arctic offshore.

Gazprom and Kogas Sign Agreement to Jointly Explore Gas Supply Project, June 23, 2009

Gazprom's delegation to the Republic of Korea sign Agreement with Kogas to jointly explore gas supply project. Agreement was signed as an extension to the Intergovernmental Agreement of Cooperation in the gas sector and the Memorandum of Understanding on natural gas supplies from Russia to Korea between Gazprom and Kogas.

B&W to Provide Environmental Control Equipment for PacifiCorp's Naughton Power Plant, June 23, 2009

Subsidiary of The Babcock & Wilcox Company awarded contract to engineer, procure and construct wet flue gas desulfurization systems and related equipment for two boilers at PacifiCorp's Naughton power plant near Kemmerer, Wyoming.

Technip Awarded Contract for 800,000 Tons/Year Liquefield Natural Gas Plant in China

Technip Awarded Contract for 800,000 Tons/Year Liquefield Natural Gas Plant in China, June 22, 2009

Technip awarded by Ningxia Hanas Natural Gas Company Ltd lump sum contract for mid-scale liquefied natural gas plant to be built in Yinchuan, China. Technip's operating centers in Kuala Lumpur, Malaysia and Shanghai, China will execute the contract, which is scheduled to be completed in the second half of 2011.

Mustang Signs Collaboration Agreement With Fyfe Engineers Surveyors to Pursue Coal Bed Methane Projects, June 18, 2009

Mustang's Australian affiliate, Mustang Engineering Pty Limited, signs MOU with Fyfe Pty Ltd ("Fyfe") to jointly support coal seam gas/coal seam methane (CSG/CSM) projects. Mustang and Fyfe provide complementary skills to the energy market.

Saudi Aramco and Total Award EPC contracts for Jubail Export Refinery, June 18, 2009

Saudi Aramco Total Refining and Petrochemical Company (SATORP) finalised awarding plan for Engineering, Procurement and Construction contracts that constitute the thirteen different process packages of their Jubail joint venture refinery, following meeting of SATORP Board of Directors.

Shaw Awarded Fifth Consecutive EPA Contract, June 17, 2009

Shaw Group's Environmental & Infrastructure Group awarded fifth consecutive contract by the U.S. Environmental Protection Agency to provide operations support and research services for the Test and Evaluation facility and other National Risk Management Research Laboratory facilities.

Jacobs Awarded Gas Storage Facility Renovation Project by Storengy, June 16, 2009

Jacobs Engineering receives contract from Storengy, a company of GDF SUEZ Group, to provide engineering, procurement, and construction management services to upgrade its underground gas storage facility in Etrez, France.

Industry News Snapshots (continued)

Mott MacDonald To Assist On New Kenya-Uganda Pipeline Extension, June 15, 2009

Mott MacDonald appointed by Tamoil East Africa to supply project management services for new Kenya-Uganda Pipeline Extension (KUPLE). The purpose of installing the line is to provide deliveries of fuel to Uganda from Kenya (Mombasa) terminals via a pipeline instead of by road.

KCA DEUTAG Wins Land Drilling Contract in Spain, June 11, 2009

ENAGAS S. A. awards KCA DEUTAG contract for its 2000hp rig T-46 for the execution of 11 wells as part of the construction of their Underground Natural Gas Storage Project in YELA, Guadalajara.

Mott MacDonald Appointed on Hi-Tech Carbon Project, June 11, 2009

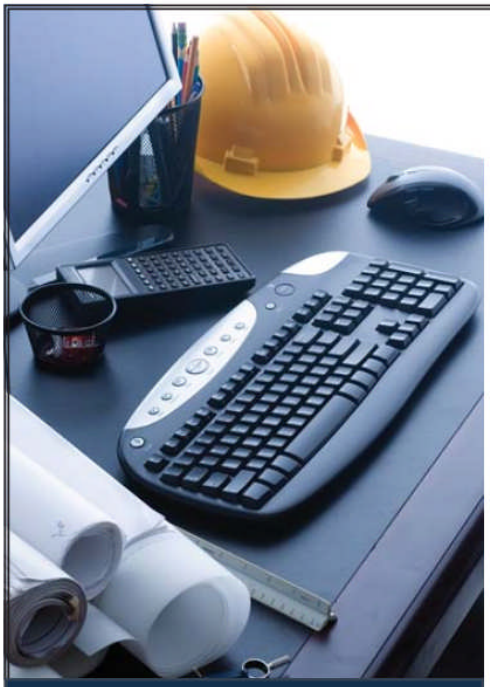
Mott MacDonald appointed by Hi-Tech Carbon, part of Aditya Birla Nuvo Limited, to provide detailed engineering services for upgrade of existing carbon black plant in Renukoot, Uttar Pradesh in North India. Project being executed from Mott MacDonald's Kolkata Office.

Babcock & Wilcox to Develop and Deploy Scalable Nuclear Reactor, June 10, 2009

McDermott International's subsidiary, The Babcock & Wilcox Company, to develop and deploy North American-manufactured, scalable nuclear reactor. The B&W mPower reactor design is a passively safe Advanced Light Water Reactor with a below-ground containment structure.

Aker Solutions Signs Subsea EPC Contract for Oselvar, June 10, 2009

Aker Solutions awarded EPC contract by DONG E&P Norge, as operator of Oselvar field, to deliver complete subsea production system to the North Sea field development. Project will be managed out of Aker Solutions' headquarters in Oslo. Subsea equipment will primarily be manufactured at Aker Solutions' Norwegian facilities at Tranby, Moss and Egersund.



New project?
Staffing issues?

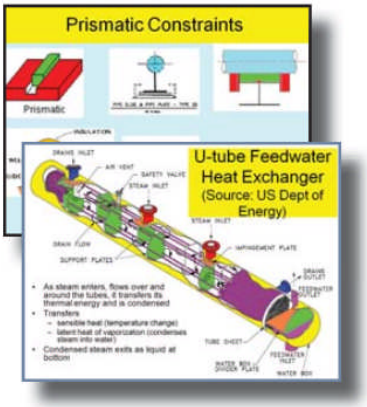
THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

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

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

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

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



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

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

Intergraph® Introduces SmartPlant® Enterprise Power Solution:

KKS-enabled solution increases productivity, accelerates projects and facilitates compliance for EPCs and utilities

Customers benefit from an accelerated implementation because of the preconfigured KKS asset naming convention and plant classification structure, ready-made application integration, as well as early and accurate materials estimation capabilities.

HUNTSVILLE, Ala., June 17, 2009 – Intergraph® introduced today SmartPlant® Enterprise Power Solution (KKS-Enabled), a preconfigured solution template for designers and operators of power generating plants to optimize the design and construction, safe and reliable operation, and life cycle management of the engineering design basis for handover and regulatory compliance.

SmartPlant Enterprise Power Solution builds on the proven and widely used SmartPlant Enterprise solutions suite with features tailored to the needs of the power industry, such as out-of-the-box configuration for KKS (Kraftwerk Kennzeichen System) plant classification convention and specification-driven integration between SmartPlant P&ID and SmartPlant Reference Data. Customers benefit from an accelerated implementation because of the preconfigured KKS asset naming convention and plant classification structure, ready-made application integration, as well as early and accurate materials estimation capabilities.

KKS is recognized as the industry standard for consistent and systematic classification of power plants. Intergraph is the first company to receive permission from VGB PowerTech e.V., the industry association that issues guidelines for the development, construction and operation of power plants, to preconfigure its solutions with KKS standards. By delivering predefined KKS content for the SmartPlant Enterprise Power Solution, Intergraph allows clients to more easily benefit from the software's existing capabilities and expedites the engineering process for those clients who adhere to these specifications.

"After extensive analysis of the power plant construction market, existing products and vendors, and input from our customers, we determined an integrated solution with KKS logic was the best solution for companies using KKS," said Gerhard Sallinger, Intergraph Process, Power & Marine president. "The dramatic success and widespread industry adoption of SmartPlant design and data management solutions make SmartPlant Enterprise Power Solution the next logical step in streamlining enterprise engineering information throughout the concept, design, construction, operations and maintenance life cycle of power plants."

Intergraph's SmartPlant Enterprise is an integrated solutions suite that provides 3D design, construction, materials and engineering data management capabilities. SmartPlant Enterprise users are able to increase productivity, accelerate projects and enhance global worksharing.

The ARC Advisory Group, a leading industry analyst firm, ranked Intergraph the No. 1 overall engineering design 3D software and process engineering tools (PET) provider worldwide according to its *PET Worldwide Outlook Market Analysis and Forecast through 2013*.

The SmartPlant Enterprise Power Solution is available immediately. For more information, visit http://www.intergraph.com/power/.

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 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.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction and operation of plants, ships and offshore facilities. Intergraph SG&I provides geospatially-powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities, and communications industries. For more information, visit www.intergraph.com.

David Joffrion
Manager, Corporate Communications
+1.256.730.2315
David.Joffrion@Intergraph.com

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daratechPLANT Changes Its Name to The DIGITAL PLANT Conference

Houston, TX, June 25, 2009 — daratechPLANT, the world's leading plant asset lifecycle management event, announced today that it will be changing its name to "The DIGITAL PLANT Conference", and also changing its tagline to "The Plant Asset Lifecycle Event". There has been no change in the event's management or ownership. The first conference under the new name will be held March 1 - 3, 2010, at the Hilton Americas in Houston.

"The DIGITAL PLANT Conference more accurately reflects the focus of the show today," said Julien DuPont, The DIGITAL PLANT Conference Show Director. "We are also confident the new branding package will support our ambitious growth objectives by more clearly communicating the event's value proposition and leadership position in the plant asset lifecycle marketplace to Owners/Operators and EPCs."

All future business will be conducted under the new event name, and beginning today, the DIGITAL PLANT Conference will have a new web site, www.digitalplantexpo.com. The DIGITAL PLANT Conference is organized by TradeFair Group. For info on exhibiting or sponsoring, contact Julien DuPont at 214-358-5359 or juliend@tradefairgroup.com. For info on speaking or serving on the Advisory Board, contact Allison Hughes at 713-343-1870 or allisonh@tradefairgroup.com.

SPED Calendar of Events-June—November 2009

Dates & TIme	Day(s)	Location	Cost	Membership
PDS I **Summer 2009 TBA**		TBA	$1195	Members Only
PT&P Webinar: Field Services: Installation, Maintenance and Inspection **July 9, 9am and 2pm CDT** **www.pipingtech.com**		Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
COADE Webinar: Developing Vessel Fabrication Drawings using PV Fabricator **July 16th, 12pm CST** **www.coade.com**		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	Members Only Registration By July 10th
PPD Process Plant Layout Online **Starting July 20th—September 25** **Early Registration Discount**		Online	$1500 $1400	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 July 1st After July 1st
2009 SPED Annual General Business Meeting and Corporate Member Showcase **November 17, 2009, 6-9 pm**	T	Omni Hotel Westside Houston, TX	TBA	

SPED Appoints New Editor for SPED Update

SPED has appointed Sarah Evans, SPED Creative Services Manager, as new SPED Update Editor starting July, 2009. The decision was made based on the growth of the newsletter and its spread internationally. The previous editor and SPED Manager of Operations, Andrea Macejak, is thrilled with the change. "Sarah will do an excellent job organizing the SPED Update and maintaining the previous level of quality and surpassing it. When we hired Sarah last June, it was our hope that her talents would lean themselves to this role. I am happy to hand over the baton and focus on the content that the piper is asking for to maintain their skills and knowledge of the industry. The SPED Board has made the newsletter priority number one. They have recognized and are acting on the industry need for news that is solely pipercentric. Our international growth alone called for this delegation of services."

Ms. Evans would be happy to receive information, calendar dates, or information for advertising in the SPED Update. Sarah Evans can be reached at spedsrvs@spedweb.com or at 832-286-3404. For content to be added to the SPED Update please include "SPED Update Editor" in the title. As always, SPED welcomes your suggestions and fresh ideas.

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NEW Online Courses

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.