



PipingDesignCentral <pipingdesigner@gmail.com>

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## June 2019 SPED Update Newsletter

1 message

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**SPED** <mailchimp@spedweb.com>  
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Mon, Jul 8, 2019 at 9:48 AM

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# Society of Piping Engineers and Designers June 2019 SPED Update Newsletter

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## Hello again SPED members and friends of SPED!

This is a late-arriving June Update because of the early July celebration holidays, but hopefully there's enough thoughtful content links to keep you busy through the summer season. The next two SPED Updates may be brief but a lot depends on if you want something mentioned. Content must be technical or topical in nature, feel free to send ideas.

### PBC and PPL Course Purchases

Fabrice Sellinou Foyet  
Alvaro Morales

### New Members and Renewals

Sergio Matas Lopez  
Colin Brenner  
Timothy Gray  
Mark Dryden  
Max Cameron-Jones  
Charles Oguamanam  
Steve Husler  
Delby Vasquez  
Calhoun Garraway  
Kerry Millen  
Jason Simmons

Jacques De Fortier  
Eniko Joo  
Robert Gilbert  
Claudia Rocio Perez Briseno  
Nicholas Gonzalez  
Robert Gonzalez  
Charles Turlington  
Expedito Mangué  
John Nithin  
Otilio Barranco  
Shanmugasundaram Subramanian

## **PPD Exams**

Fabrice Siellinou Foyet - PPD Level I  
Sheldon Bassant - PPD Level II  
Joshua Guidry - PPD Level I  
Sheldon Peter - PPD Level I & II  
Johnny Dernulc - PPD Level I & II

## **Thermal Expansion Creates Piping Stress: Part 1, What You Need to Know to Prevent Problems**

"This is the first in a three-part series on thermal expansion and piping stress. This article provides a primer on the basics of the thermal expansion and contraction found in industrial facilities. The second article focuses on the importance of proper stress analysis and good engineering to mitigate the risks of thermal expansion to piping and equipment. The third article describes how to spot problems in your plant."

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## **Random Radiography**

What the fabricator or contractor and the owner need to agree on  
"Under B31.3 rules, if a radiograph of a weld representing a lot is rejected, two more welds have to be radiographed. If one of those is rejected, two more welds have to be radiographed. If one of those is rejected, the entire lot has to be radiographed. The contractor's exposure, therefore, is the cost of doing 100 percent radiography on piping that is already completely installed."

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**Which piping design/engineering-related websites do you regularly visit? Look for an upcoming SPED membership survey where you can list your favorites, rank them and review/offer some constructive criticism on how they could improve their content and presentation.**

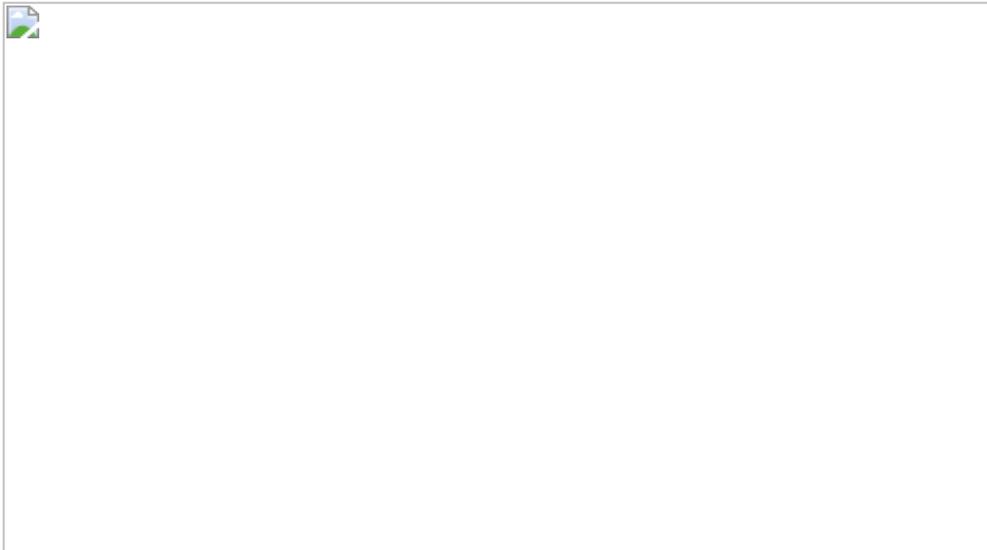
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## **Measuring and Classifying Construction Field Rework: A Pilot Study**



**This report is almost 20 years old; I wonder if things have improved or degraded since then.**

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By now most have seen the videos from the refinery BLEVE in Philadelphia. Scary.

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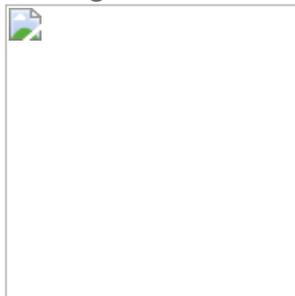
### **PDMS / PDS Technical Comparison**

The article linked above is quite out of date and should probably be comparing Aveva's E3D (PDMS) to Intergraph's Smart 3D (SmartPlant 3D).

Unfortunately there aren't many places to discover the differences between and advantages of the various 3D piping design and layout software packages. But with the complexity of project execution and amounts of money involved you might think clients would benefit from unbiased evaluations.

### **How many piping design/layout software packages can you name?**

Check your inbox for a SPED contest titled 'How Many Piping Software Packages Can You List', you could win one of these things below (the original SPED lapel pin).



We like to think of it as a Secret Decoder Ring-type thing for pipers but it doesn't really do much beside make people ask if you are some kind of piping nerd or something.

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**Process Safety Management: Small Errors Lead To Big Consequences**

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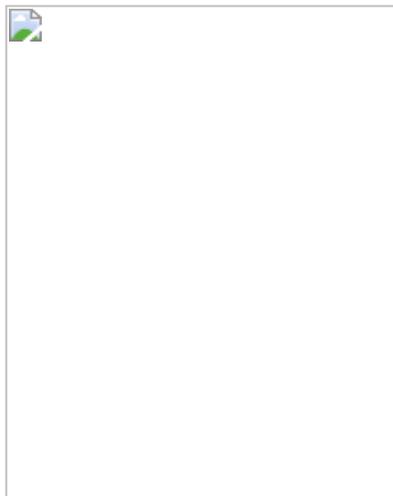
Magnesium Fires are Bad News

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Fascinating Discussion About Holes

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Mmmm, Hydrogen Bake-Out

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## **Successful Workface Planning for Your Piping Scope**

"Workface Planners form a bridge between the field and the office. Through the development of Work Packages, the Workface Planner plays a pivotal role in aligning construction execution with engineering design and project controls. Workface Planners are key to ensuring the right things get to the right people at the right time."



This guy looks like he might smack his workface right into some ducks if he loses his balance.

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**Flexicraft is your one call for every style of expansion joint and flexible connector.**



Don't forget that SPED is always on the lookout for member-written piping-related articles to publish at the website

**See you all next time!**



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