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SPED Update October 2018

1 message

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Thu, Nov 15, 2018 at 7:49 PM

Society of Piping Engineers and Designers October 2018 SPED Update Newsletter

Hello again SPED members and friends of SPED!

PBC and PPL Course Purchases

Paulo Barnabe

Jaycie Burrow

Welcome and Welcome Back (New Members and Renewals)

Alberto Testoni

Michele Winkels

Jaycie Burrows

Victoria Poon Ting

Lawrence McGowan

Lane Owen

<http://www.cadalyst.com/management/avoid-software-tool-worship-focusing-design-44187>

[Avoid Software Tool Worship by Focusing on Design](#)

10 Oct, 2018 By: [Robert Green](#)

This is an article from Cadalyst which may prove interesting (read [Part Two](#), too). Or you could just NOT read it and and remember to always use the right tool for the job. And how likely is it that in the example provided, the decision to change from something that worked was a result of a decision by someone who would not be impacted by the possible failure of the new system? That the decision was made based on the perceived Cool Factor of the new software? The likelihood that the change was motivated by someone wanting to Make Changes And Get Recognition without fully understanding how the existing processes worked?

"The Dangers of Putting the Tool First

What do I mean by *tool worship*? It's the belief that you must use certain software tools to solve design problems, rather than letting great design dictate which tools should be used. For example, if you've been a CAD manager for any length of time, you've probably heard statements like these:

- If you're going to create buildings, you need building information modeling (BIM).
- If you're going to build machinery, you must have 3D printing.
- If you're going to integrate building systems, you have to use a cloud-based clash-detection tool.
- 3D design is mandatory; 2D is dead.

Rather than accepting these statements without question, we should all ask, "Says who?" After all, skyscrapers were created decades before BIM, stealth aircraft and rockets were manufactured well before 3D printing became mainstream, and clash/interference detection methodologies using pin bars and overlay Mylar drafting systems were well understood long before CAD existed. And let's be honest, there are millions of seats of AutoCAD and competing 2D CAD tools out there that are still cranking out tons of project deliverables."

[Here are some great math-related animated GIFs](#)

<http://www.cadalyst.com/hardware/workstations/hidden-danger-memory-errors-cad-computing-39382>

[The Hidden Danger of Memory Errors in CAD Computing](#)

31 Jan, 2018 By: [Alex Herrera](#)

[Here's another excellent and easy to digest article at Cadalyst on why your CAD computer crashes right after executing a lot of tedious and lengthy keystrokes and commands but immediately before you've clicked "Save".](#)

"Memory bit errors come in two basic categories, both of which are problematic: persistent ("hard") errors, caused by a hardware failure in a dynamic random-access memory (DRAM) chip or dual in-line memory module (DIMM, a small, motherboard-slotted card populated with the memory chips), and transient ("soft") errors stemming from stored bits that get flipped, either while stored in memory or during the transmission of those bits between processor and memory."

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

Summary - SPED Board of Directors Meeting August 11, 2018

Prepared by William Beazley (WB) Executive Director

Present:

- Kevin Noakes – (KN) President – Calgary, Canada
- William Beazley (WB) Executive Director – Houston, Texas
- Paul Bowers – (PB) Executive Vice President, Webmaster, Developer, Server Admin – Montreal, Canada

- James Lindlof – (JL) - Vice President – Houston, Texas
- Kerry Millen – (KM) - Treasurer – Houston, Texas
- Clarence Wynter – (CW) - Director at Large – Calgary, Canada
- Jacques De Fortier – (JDF) - Director at Large - Calgary, Canada
- Catherine VD Walt – (CVDW) Secretary & Operations Manager – South Africa

Absent:

- Carol Pauly – (CP) Director at Large – Toronto, Canada

After the review of the financials and tax issues the Board discuss several other items on their agenda. With the recovery in the oil industry underway, the board is considering several ways to help chapters with their meetings.

One important action is the pending distribution of part of the member dues back to the chapters. The distribution will be the lesser of 50% of the collected annual dues or US\$25 per associated paid-up member. This distribution is expected as soon as an exact tally is made of members associated with each chapter.

The Board also voted on the first increase of dues in almost 10 years. In some categories, the amount charged was less than the cost to process the membership. The new dues will be:

1. \$75.00 USA and Canadian membership only
2. \$95.00 PPD Certification renewal (includes membership renewal)
3. \$50.00 International Membership
4. \$25.00 Student Memberships

Because of the current high levels of employment among pipers, the Unemployed Membership rates are being discontinued.

The Board also discussed revenues from:

- Memberships
- Online Courses (Piper Bootcamp and Process Plant Layout)
- PBC & PPL video series sales
- PPD Certification (Renewals and Applications)

Many Members and their companies are revising their budgets for 2019.

Chapters are reporting renewed interest in meeting. The Louisville Chapter, for example, is beginning to meet more often and sponsorship is strong. Artwork for SPED Business Cards is being sent to Chapter Officers for their use.

Finally, the Board is considering two dates for the Annual General Business Meeting (AGBM). They are considering two possible dates, December, 6 or 13. The AGBM has evolved into an online meeting, so some members are proposing to host "watch parties" in their homes. This will offer members a chance to watch the videos presented, discuss them and socialize.

The next meeting is scheduled for Saturday October 27, 2018 @ 09.00 CST.

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External Becht Links of the Month

[Normalization of Deviance – The Pathway to Disaster](#)

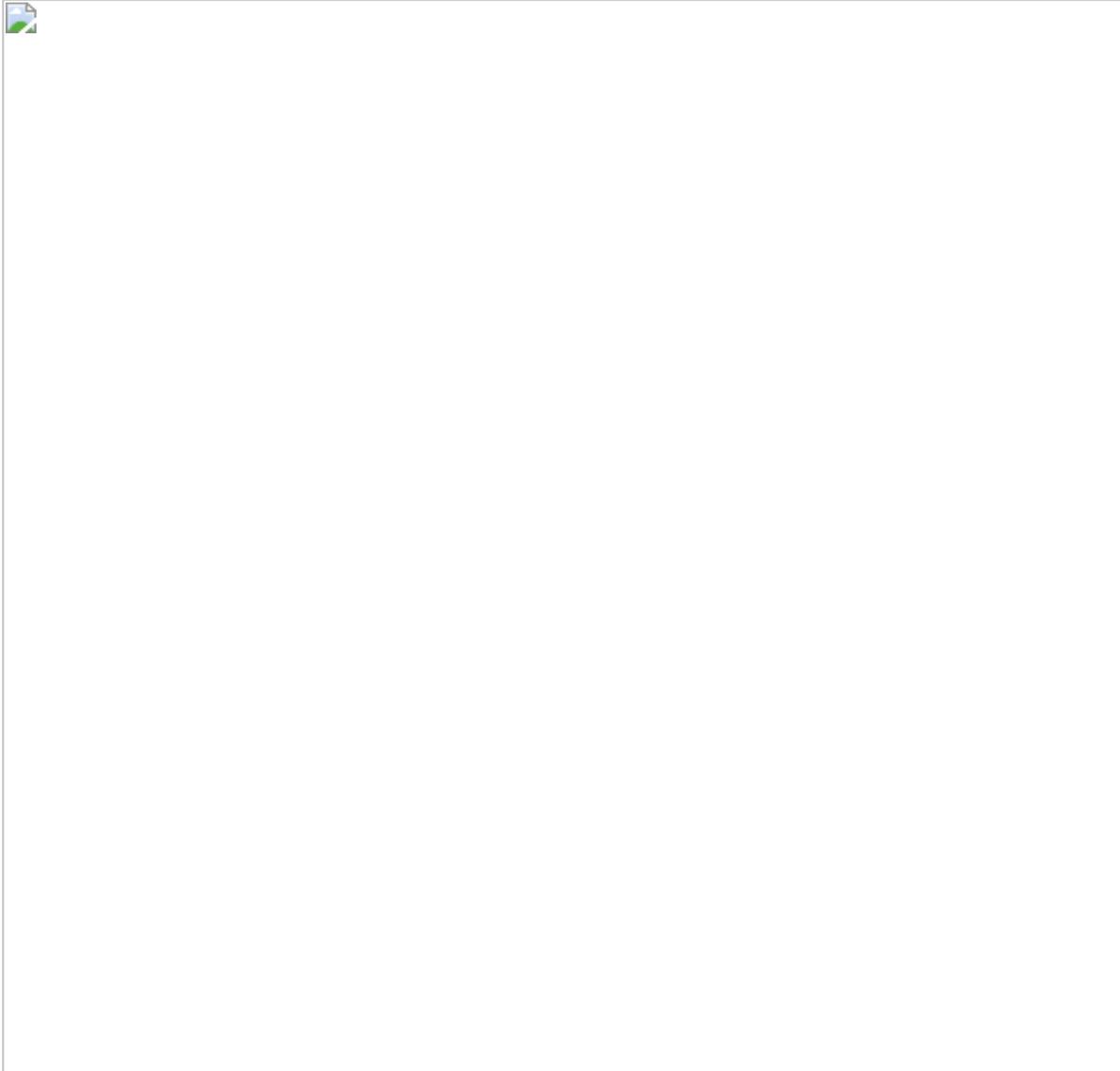
"Normalization of deviance has caused numerous serious accidents in the hydrocarbon processing industry. Examples include elements of the Piper Alpha oil platform disaster that killed 167 people and the Flixborough disaster that killed 28. In the case of Flixborough, the impact went well beyond the plant fence line. About 1800 homes and 170 businesses were damaged and there were hundreds of off-site injuries. These accidents resulted from deterioration of following procedures, unqualified staff and production pressures."

[12 Checks When Qualifying Piping Systems in Nuclear Applications](#)

The analysis and qualification of piping systems in nuclear power plants involves more than meeting Code stress limits. Generally, a piping system is qualified if the following criteria have been met. These various qualification criteria are typically specified in the plant FSAR, the plant design procedures, or the ASME Code.

Five Keys to a Cost-Effective Repair/Modification Package for Tanks- Vessels-Piping

Below is pasted a screenshot of the final survey results:



See you all next time!



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