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**July / August 2020 SPED Update**

1 message

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**SPED** <constantcontact@spedweb.com>  
Reply-To: constantcontact@spedweb.com  
To: joomla@spedweb.com

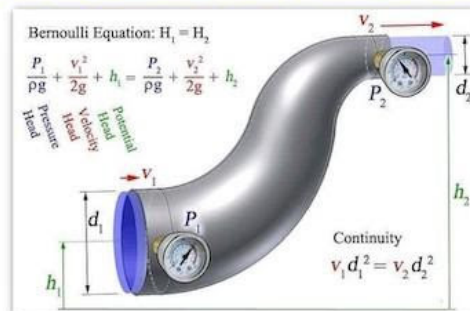
Mon, Aug 24, 2020 at 6:41 AM



## July / August 2020 SPED Update

Society of Piping Engineers and Designers

### THE LEGENDARY BUT RARELY-SEEN



### CONCENTRIC REDUCING SELBOW

## Membership News

### New Members and Renewals

Thabeng Malebane  
Victor Agwulonu  
Dustin Gray  
Shanmugasudaram Subramanian

Hussain Alhalal  
Debbie Dalme  
Sonali Singh  
Sergio Hernandez  
Rajeev Taneja  
Claudia Perez  
Jimmy Garcia  
Michael Jordan  
Michael Wudi  
Kim Campbell  
Walter Kolbe  
Ahmed Mohamed Elrabiey  
Francky Vivier

OptiPlant (Corporate)

### PPD Certification Achieved

Elvis Bob- Chia Bechiro, Level 1  
Charles Oguamanam, Level 3  
Michael Liguigan, Level 1  
Tyler Sandwith, Level 2  
Justin Walker, Level 3

### New PBC and PPL Students

Hussain Alhalal  
Debbie Dalme - SPED Bundle  
Tyler Sandwith - PBC Bundle

### PBC Course Completion

Tyler Sandwith

### PPD Certification Enrolments

Tyler Sandwith

## Special COVID-19 Home Study Pricing for September 2020

SPED recognizes that most of our members are under stay-at-home orders. We must work and study away from employers.

Continuing for the month of September, SPED is offering a bundle price for its two online courses, *Piper Bootcamp* and *Process Plant Layout*. For the price of the course (membership required), both the course and PPD Certification Testing and application is included. This is a US\$250 savings.

We hope this helps utilize the time productively. Please stay safe!

For more information contact  
[catherine\\_van\\_der\\_walt@spedweb.com](mailto:catherine_van_der_walt@spedweb.com)

## **Announcement – OptiPlant Free Course for PPD-Certified Pipers**

Several SPED Chapters have asked if we can arrange for training to sharpen the skills of our members.

Training has become particularly important to pipers displaced by COVID-19, OPEC+ Price War and other issues. One of SPED's Corporate Members, OptiPlant, has partnered with us to create a training opportunity for Professional Piping Designer (PPD) Certified Pipers.

OptiPlant 3D is a leading conceptual design and engineering automation tool in the Plant Design Industry. Major global Owner Operators and the top EPCs are utilizing OptiPlant for Pre-FEED and FEED projects. OptiPlant is partnering with SPED to offer self-training video tutorials and instructor led web training to achieve OptiPlant certifications. This training will certify you to develop 3D layouts, to develop multiple options, auto-route 3D pipe and learn to configure rules and piping assemblies, auto-route 3D cable tray and conduit, design parametric steel for pipe racks and buildings, learn to automate concrete foundations, design modules, and more.

Two classes are being offered:

- Automated Layout Technology Awareness (12 hrs.) for PPD Level I and above, limit 25 seats, and,
- OptiPlant Basic Training (12 hrs.) for PPD Level II and above, Level III recommended, limit 8 seats.

See the [announcement at spedweb.com](#) for further information or contact [catherine\\_van\\_der\\_walt@spedweb.com](mailto:catherine_van_der_walt@spedweb.com)

## **REMEMBER AT ALL TIMES WHEN CLIMBING - 3 POINTS OF CONTACT**

"The '3 Points of Contact' rule can help you stay in control and conscious of your foot placements: unless you are standing on a big ledge or hanging by your arms, it almost always takes 3 points of contact to stay upright and on a wall. In other words, 3 hands or feet must be touching at all times."

The rules above are for rock-climbing, but also apply to piperack climbing.

## **On-line Calculators for Fluid Dynamics**

<https://www.LMNOeng.com> provides on-line calculators for fluid dynamics.

Our pressurized conduit calculators include pressure and flow computations using Darcy-Weisbach or Hazen-Williams friction loss equations, Weymouth and Panhandle equations for compressible gas flow, choked flow, water hammer, venturi, nozzle, and orifice flow meters, and pressure relief valve sizing. Our most popular miscellaneous calculator computes the volume of liquid in an inclined cylinder.

If you've read this far, you deserve a free PIN to enable all calculations on the site. Type in "sped" (all lowercase, no quotes) into the home page <https://www.LMNOeng.com> and the calculations will all work until September 19, 2020.

## **REMINDER TO SPED MEMBERS TO UPDATE THEIR PROFILES AND PROVIDE A NON-WORK CONTACT EMAIL ADDRESS**

Many SPED members use their work email address when they join SPED, but this means that we will lose your contact details if you change jobs. Login at [spedweb.com](https://spedweb.com) and keep your email address up-to-date.

### **From WhatsPiping:**

#### **Piping Design Considerations for Vertical Columns or Tall Towers**

Vertical Columns or Fractionating Towers are frequently used in the process units for fractionation and stripping. They are cylindrical in shape and their axis is vertical to the grade. This article will provide guidelines for piping design considerations from such columns or towers.

#### **Considerations for Storage Tanks Nozzles Orientation**

Each tank has several nozzles to allow the Fluid in or out. All these nozzles must be arranged in a cost-effective efficient way such that these works smoothly with overloading the nozzle connections during operation. Proper nozzle orientation of storage tanks helps in reducing the maximum of the operational problems. Good nozzle orientation is thus one of the most important activities in the piping layout and design stage.

#### **Air Cooler Piping Design**

Air Cooled Heat Exchangers are used in the plants to utilize the atmospheric air to cool the hydrocarbon, process and utility fluids by means of direct heat transfer from the fluid (within the tube) to be cooled by air circulated by means of forced/induced draft fan.

#### **The Impact of Offshoring on the Engineering Profession**

(From 2006)

"By reviewing any available relevant materials and obtaining views of knowledgeable individuals, I hoped to be able to lay out, primarily qualitatively, what is known and unknown about the impact of offshoring on the engineering profession in its entirety."

<https://www.nae.edu/File.aspx?id=10315&v=f69c2f7d>



**Professional Piping Designer Certification**  
GET CERTIFIED WITH SPED FOR MORE INFORMATION: EMAIL [CVDM@SPEDWEB.COM](mailto:CVDM@SPEDWEB.COM) OR CALL 1-713-960-4478

**Are You Certified?**  
 When choosing among piping, clients and employers know that Certified Professional Piping Designers (PPD) meet the specific requirements of the process piping industry.

**Levels of PPD Certification:**  
 Level I: Basic PPD, Property Trained  
 Level II: Advanced PPD, Organize Work  
 Level III: Senior PPD, Independent Producer  
 Level IV: Lead PPD, Manager, Assure Work

**About Certification**  
 All PPD Levels require practical testing. Currently, level progression is based upon years of experience, education, and industry references. Level IV requires proven past supervisory experience.

**Steps to PPD Level I Certification**

1. Submit a completed certification application form along with your resume and three references.
2. Pass the PPD Level I Examination.
3. SPED will review your application and exam results and determine if all criteria have been met. If all criteria are met, SPED awards certification.
4. Annually renew your PPD Certification at [www.spedweb.com](http://www.spedweb.com).

**Steps to PPD Level Advance**

1. To advance PPD Level, submit a completed certification application form along with your resume and three references.
2. Pass the appropriate PPD Level examination.
3. SPED will review your application and exam and determine if all criteria have been met. If all criteria are met, SPED awards certification. PPD Level II may require a review by the SPED Board of Directors.
4. Annually renew your PPD Certification at [www.spedweb.com](http://www.spedweb.com).

**Two Steps to Renew**

1. Complete and document the required two Professional Development Hours (PDH) by logging in your SPED account profile at [www.spedweb.com](http://www.spedweb.com).
2. Go to [www.spedweb.com](http://www.spedweb.com), click on join / renew.

SPED Membership is not necessary for certification.

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 and stay safe!

[Update Profile](#) | [About our service provider](#)

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