



**News from Delaware's Licensing Council for Professional Engineers**

**Summer 2013**

**PRESIDENT'S MESSAGE**

**By Charles L. McAllister, P.E.**



I recently had the opportunity to visit Kinzers, PA to the Rough & Tumble Engineers, 65<sup>TH</sup> Annual Thresherman's Reunion (next one is August 13-16, 2014 on Rt. US 30). If you have never visited this unique event in mid-August, you should make it a point to do so. There are displays of 19<sup>th</sup> century technology in

the form of steam powered tractors and early 20<sup>th</sup> century engines.

One might think we live in the greatest of times, with all the advancements in electronic and digital technology, but when you see these wonders in engineering ingenuity, you can't help asking yourself, how did someone dream up these concepts? Maybe the huge 1913, 485 hp TDA Cooper Gas Engine, used to pressurize a natural gas line, is not the most efficient piece of equipment by today's standards, but it can still operate with it's huge flywheel rotating in near silence.



I think most engineers have seen a right angle gear box and understand the workings and purpose of such a

piece of equipment, but have you seen one without gears? Yes, a brilliant engineer designed such a mechanism some 75 to 100 years ago.



We modern engineers have created fantastic, complex, compact machines using brilliant concepts, but look at what we inherited as the basis to build upon. The steam powered tractors and engines eased the burden of man and paved the way to modern equipment.

I just returned from the NCEES Annual Meeting in San Antonio, TX. We had a tour of the River Walk and the Flood Control System, with a 24 ft. diameter tunnel to convey flood waters under the city. The tunnel and the flood gates control the level of the San Antonio River, in the business district, to within one inch of its normal elevation, otherwise the level could rise 8-10 feet depending on the storm. This is just another example of engineering at work to protect the life and safety of mankind.

Engineering technology continues to grow, expand and improve as each century passes. Look at the examples I mentioned here of years past and the improvements we have seen and created in our lifetime.

Let's work hard to encourage the youth of today to choose a path in engineering. Can you imagine what they will be able to create? The things we, as children, thought were science fiction, are now modern day technology.

Let's all push ahead, dream, create and share ideas. Your small idea may be just the piece to solve a greater puzzle.

With these thoughts, I thank you for letting me be your President for the past two years, as I pass on the reigns to new leadership, I wish them the best of times as I have had serving this most wonderful organization.

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### **2013 COUNCIL ELECTION RESULTS**

Votes have been tallied and Chief Teller Carmine Balascio, assisted by Bob Chagnon, Jim Davidson, Ana Diaz and Mark Ziegler, report the following results:

Michael Lennon, P.E., ChE Seat:	259 votes
Hans Medlarz, P.E., Gov't Seat:	263 votes
Daniel Barbato, P.E., "Other" Eng:	265 votes
Erik Retzlaff, P.E., Sussex Co.:	262 votes

Council Seat terms are four years, with the exception of the Sussex County seat which is to serve the remaining three years of this seat's term.

All proposed revisions to the bylaws were approved by the membership to permit electronic balloting, notification and distribution to the membership.

Thanks for your participation in this process!

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### **ATTENTION: BUILDING CODE UPDATE**

Sussex County Council adopted the 2012 IBC and the 2012 IRC building codes on June 4, 2013. The Council chose to exempt out fire sprinklers for 1&2 family dwellings and townhouses 3 stories or less. These updated codes will be enforced as of October 1, 2013.

### **MEET OUR NEW COUNCIL MEMBERS**

**Michael A. Lennon, P.E.** has been elected to fill the Chemical Engineering seat on Council. He is a control systems engineer working for Applied Control Engineering, Inc. (ACE) in Newark, DE. Mike obtained his Chemical engineering degree in 1995 from the University of Delaware and became licensed in January, 2012. His professional experience has been primarily with batch processing including the bulk/commodity chemical, specialty chemical and pharmaceutical industries. Mike has also applied his control systems experience in electrical power generation, oil & gas, and food and beverage industries.



Mike started his career with ACE in their Newark, DE office, later relocating to Houston, TX before becoming the Operations Manager for ACE's Taunton, MA office, and returning to Delaware in April, 2012.



**Erik F. Retzlaff, P.E.** was elected to fill the Sussex County Council seat. Employed by Davis, Bowen & Friedel, Inc. in Milford, Delaware he will serve the remaining three years on this seat's term.

Erik obtained his mechanical engineering degree from the University of Delaware in 2007 and received his P.E. license in 2009.

He has been employed by Davis, Bowen & Friedel, Inc. (DBF) in their Municipal Engineering department in Milford, Delaware. DBF serves as the on-call municipal engineer to the towns of Georgetown and Selbyville and the City of Milford and its public works issues. The firm also provides engineering design and construction administration services for other local governmental bodies including the City of New Castle and both Kent and Sussex counties.

We welcome both Mike and Erik and look forward to their participation in the coming years!

## **EXECUTIVE DIRECTOR'S REPORT**

***By Peggy Abshagen***

Many changes are happening both locally and nationally.

First, Senate Bill 126 was signed into law by the Governor on July 15, 2013. This legislation:

- ✓ Adds the requirements of **Continued Professional Competency (CPC)** for license renewals. You will need to start the accumulation of your credit hours during the 2014-2016 renewal cycle.
- ✓ Provides for **retired engineer status**. P.E. (ret.) must be used in any signature. Biennial memberships fees are required, but no CPC requirements.
- ✓ Requires licensure renewal by the **date of expiration** of the license. Sixty-days' notice will be provided, but licenses expire on the expiration date of June 30<sup>th</sup>.
- ✓ Adds violations of the Act and the **failure to comply with Continued Professional Competency** requirements as a grounds for discipline.
- ✓ Adds requirements for applicants who **reapply to take the Principles & Practice** examination after four failures to clarify experience and educational equivalence.
- ✓ Allows for Council elections to be conducted by means **other than the mailed-in ballot** (electronic balloting).
- ✓ Removes references to examinations being **written and of a certain length of time** to permit the use of computer-based testing being implemented by NCEES beginning in January, 2014.

The updated law is available in its entirety on our website at [www.dape.org](http://www.dape.org).

On the national front, the final paper and pencil Fundamentals of Engineering (FE) exam will be administered in October, 2013. On November 4<sup>th</sup>, FE candidates will be able to register with NCEES and select an exam site for the computer-based testing (CBT) to begin on January 2<sup>nd</sup> at a Pearson Vue testing center. These testing centers will provide a carefully monitored, consistent testing environment across the country.

The exam will be available in four testing windows: January-February, April-May, July-August, and October-November. Examinees may register for an exam during these times, but are limited to one time per testing window and three attempts during a 12-month window.

In Delaware, examinees with an ABET-accredited engineering degree may apply directly with NCEES for the exam. All other examinees will be required to submit an application and official educational documents for pre-approval.

Examinees will be provided with six hours of seat time at the computer testing center. This includes 5 hours and 20 minutes to complete the exam, tutorial and break times. Exam cost will now be \$225, plus any state specific fees.

Exam will consist of 110 questions. 24" monitors will be available to accommodate the embedded searchable supplied reference manual, as well as a calculator. Examinees may bring an approved calculator. A reusable board will be provided for scratch work.

After the successful passage of the exam, certification will be issued upon application.

As mentioned by President McAllister, the NCEES Annual meeting in San Antonio, Texas, was well attended by representatives from all jurisdictions in the country. Many motions were passed by a Consent Agenda, unless removal was specifically requested for separate consideration. Member boards discussed, in addition to CBT, amending the Model Law and Model Rules to:

- ✓ Eliminate the 4 years of experience between exams
- ✓ Specifically define disciplinary action
- ✓ Remind engineers that they must be competent to perform surveying incidental of the practice of engineering.
- ✓ Consider education and experience outside the U.S. to be equivalent to U.S. education and experience.
- ✓ Editorial changes to accommodate CBT and the new direct CBT registration with NCEES.

NCEES organized many workshops on records management; professional ethics; professional liability insurance; use of digital signatures; certified federal surveying program; and fracturing mechanisms.

On the final day of the conference, a full-day workshop on interviewing and interrogation techniques was extremely insightful and provided an abundance of information on attitude, verbal and non-verbal body language interpretation to share with our Law Enforcement/Ethics Committee.



## Continuing Professional Competency (CPC)

By William D. Balascio, P.E.

Frequently asked and new questions about the Guidelines for Continuing Professional Competency and previous newsletter articles on that subject:

1. What is acceptable? (Variations)
  - What PDH Providers are qualified?
  - Will this course be acceptable?
  - Will our "in-house" courses be acceptable?

DAPE will not qualify PDH providers. We are not looking for another revenue stream and we do not wish to overburden our staff or committees with this task. We intend to trust that our licensees will only document activities that meet the intent of the guidelines – to increase or maintain their own professional competency. False reporting or reporting that is not deemed to be in good faith will be regarded as an ethical violation and will be treated accordingly. We are relying upon the integrity of our licensees.

2. What is NCEES? National Council of Examiners for Engineering and Surveying, which is a national non-profit organization, composed of engineering and land surveying licensing boards representing all U.S. states and territories.
3. What is the model law? Guidelines developed by NCEES as a starting point for state guidelines, with the express purpose of "harmonizing" guidelines across states to facilitate portability of licenses.
4. Does the PDH credit for technical presentations only include the amount of time actually presenting or does it include the time involved to prepare the presentation?

Credit for technical presentations is only for the amount of time presenting. Credit for

development time is accounted for in the 2X multiplier. Although as a former adjunct professor I understand the actual multiplier is closer to 3X, we maintained the suggestion from the model law. We did, however allow for continued credit with a 1X multiplier every time the course or presentation is updated. This is more liberal than the model law, but perfectly justified to anyone that has developed a course and kept it up-to-date. We also hope for the intended consequence of constantly updated educational materials.

5. Why the strict limits on participation in Standards/Technical Committees?

We have guidelines that are more liberal than most other states and the model law, and as a member of the Mobility Committee, I fully intend to bring up this subject. I would like to see these type of activities treated with the respect that the effort involved deserves.

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### **ARE YOU AN INVIGILATOR?**

Check your calendars .... are you available on Friday, October 25<sup>th</sup> or Saturday, October 26<sup>th</sup>? We could use your help. We are looking for invigilators (proctors) for the October exam administration. We have morning and afternoon shifts available. Please contact our office and share a few hours with us.

We'll be happy to train new invigilators and we'd welcome the expertise of our veteran invigilators. Come network with your peers, give back to your profession and enjoy a good lunch with friends!

Contact our office with your date/time preference ....



***So, what does an engineer do when not engineering . . . .***

He gets down and dirty of course!



Bob the Engineer ....

Meet **Bob Hayden**, who holds the Mechanical Engineering Council seat. Bob was kind enough to share photos of his adventures in the Spartan obstacle race held at the Blue Mountain Ski resort.

Participants had to climb the 3+ mile mountain while completing about 15 obstacles like carrying 50lb sand bags up to the top of the mountain, climbing ropes, lifting concrete and dragging it behind, swimming under obstacles, climbing walls etc.

Finish time: 2 hours and 6 minutes.

Racers receive: finisher's medal, t-shirt, bragging rights, free mud, scrapes and bruises, and awesome stories (and pictures) to share.



Bob "Mudman" Hayden



Working those arms!



"Team Bob" at the finish line!

*(If you would like to share with our readership your activities outside of engineering, please send submissions, including photos, to office @dape.org.)*

### **NEW PROFESSIONAL ENGINEERS**

The following individuals recently passed the April 12, 2013 Principles & Practice of Engineering examination and now meet all requirements for licensure. Council approved these licenses on June 10, 2013.

Allen, David	#17944
Barnes, Andrew	#17594
Bindal, Amandeep	#17012
Bird, Nathaniel	#18423
Brendza, Christopher	#18168
Brenzel, Paul	#18225
Brown, Dustin	#17784
Bruno, Gillian	#18021
Burgoyne, Melanie	#18156
Craley, Michael	#18428
Decktor, Alan	#17771
deMoss, Shellie	#18024
Dietz, Christian	#18076
Dominique, Emmanuel	#17428
Frye, Jenna	#18184
Gardner, James	#17482
Godhwani, Satish	#17311
Hinkle, Jonathan	#17068
Hufe, Brian	#18212
Hungarter, Walter	#15852
Lutes, Brian	#15879
Mann, John	#18188
McLaughlin, Ashton	#18109
McNelia, John	#17206
Mensah, Daniel	#17118
Mikitka, Johanna	#18420
Natale, Joseph	#18176
Newberger, David	#18262
Postlewaite, Daniel	#17507
Pumphrey, Kristina	#18171
Quigley, Scott	#17536
Robbins, Cristian	#18316
Robert, Christophe	#18209
Sadkowski, Adam	#17843
Schlitter, Matthew	#18125
Siegel, Tristan	#18203
Smolinsky, Joshua	#17865
Swartout, Brandon	#18213
Tice, Jonathan	#18208
Wang, Hsuan-Tsung	#17820

***CONGRATULATIONS!***

### **DelawareCAN/Food Bank of Delaware**

DelawareCAN is a competition amongst Delaware organizations to create sculptures out of the food items collected. The competition will take place from Monday, September 23<sup>rd</sup> until Friday, October 18<sup>th</sup>. During this time participating teams will coordinate organization-wide food drives; at the conclusion of the food drive teams will begin the build phase. Groups should determine a theme for each structures. The theme dictates the types of food items needed to build. All structures must be completed before October 18<sup>th</sup>.

There is a \$100 registration fee and finished structures will be judged and rated on various criteria.

For more information about DelawareCAN, contact Caitlin Custer at [ccuster@fbd.org](mailto:ccuster@fbd.org).

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### **DAPE IS NOW ON SOCIAL MEDIA ....**

A large portion of our audience are the students who communicate via social media .... Facebook or Twitter. Email, apparently, is not their first choice of communication any longer.

DAPE has created Facebook and Twitter pages to include postings on exam updates, deadlines and other pertinent information.

You can now Like us on Facebook and follow us on twitter.



@dape

### **NEW ENGINEER INTERNS!**

Of the 344 Fundamentals of Engineering examinees,  
the following 248 successfully passed the exam.

Alenandropoulos, Photios	DiCosmo, Nicholas	Hilker, Ryan	McGinnis, Sean
Ali, Shadab	DiGianivittorio, John	Hill, Amy	McQuade, Christine
Alyan, Ramzi	Dillard, Joshua	Himics, John	Mehta, Jitendra.
Amin, Dhara	Dobbs, Greg	Hindes, Brian	Melgaard, Erik
Anderson, Vladyslav	Dolin, Ryan	Hitchko, Daniel	Melson, Brian
Andrews, Michael	Du, Zeband	Hockman, Benjamin	Mikhail, Ronny
Antonio, Rachel	Dubbs, Russell	Hoff, William	Miller, Gregory
Arcuri, Marc	Dunn, Deborah	Hogan, Ryan	Mitchell, Christopher
Ashley, Matthew	Durst, Matthew	Hopkins, Robert	Mofadal, Ahmed
Bandura, Ryan	Edwards, Robert	Iannacci, Joseph	Moore, Stephanie
Barr, Jeremy	Ellefson, Sven	Iglesias, Joaquin	Moore, Erik
Bauman, Christopher	Emig, Daniel	Iwanczuk, Piotr	Moye, Ryan
Baumzweig, Daniel	Farrow, Maria	Jackson, Charles	Muralidhar, Prasant
Beadle, Christopher	Fazlic, Ivor	Jacques, Paul	Nava, Alfonso
Benigno, John	Ferraro, Brian	Janelli, Justin	Neuman, Kyle
Bergez, Matthieu	Feverston, Derek	Ji, Jing	Nguyen, Nathan
Bidgood, Anne	Florentino, Matthew	Johnson, Kyle	Niu, Mingze
Binaco, Nicholas	Firman, Ryan	Jung, Johnny	Nsidze, Romaric
Boesch, Steven	Fitzgerald, Sean	Just, Michael	Oake, Michael
Booty, Jason	Fleischman, Evan	Kalkay, Kerem	Oravec, Michael
Boussouf, Adam	Fordham, William	Kappes, Joshua	Owens, Brian
Brady, Adam	Francisco, Steven	Karam, Jonathan	Park, Jungkyoo
Brady, Kelsey	Fucci, Ryan	Kasprzak, Stephanie	Patel, Jay
Braun, Christopher	Fulton, Andrew	Kayea, Ronald	Perkins, Arthur
Broadbent, Beau	Gabel, Charles	Kim, SeHwan	Perkins, James
Bucci, Joshua	Garbarino, Michael	Kincaid, Kyle	Peters, Kevin
Buckmann, James	Garlid, Torleif	King, Andrew	Pfeifer, Christopher
Bumiller, Michael	Gay, Andrew	Klixbull, Matthew	Phillips, Evan
Butler, Mitchell	Gerson, Stephen	Koch, Ece	Pindale, Stephen
Campbell, Luke	Ghauri, Farah	Kuhn, Mark	Pologruto, Sean
Candelmo, Francesco	Giambrone, Nicole	Kumpf, David	Prior, Daniel
Cannatelli, Colleen	Goldstein, Alex	Kvist, Johan	Purdue, Taylor
Canosa, Andrew	Gonnely, William	Leibig, Kenneth	Quinlan, Nicole
Cendo, Daniel	Gorbachik, Dmitriy	Lessik, Peter	Raciti, Jaclyn
Christie, Nicholas	Greene, Daniel	Letarte, Matthew	Redles, Thomas
Cicoria, Michael	Gregg, Christine	Li, Siming	Reyman, Rebecca
Ciraco, Victoria	Guidone, Dianna	Lieb, Gerald	Reynolds, William
Cocuzza, Francis	Guiney, William	Liu, Lu	Rice, Kevin
Conn, Dennis	Guzman, Julio	Logoyda, Kimberly	Richard, Jonathan
Cook, Ryan	Hale, Stephen	Madeja, Jordan	Rickards, Matthew
Cornell, Robert	Halko, John	Maki, Kahlan	Riley, Thomas
Courtney, Michael	Hall, Richard	Mannix, Rachel	Rioux, Alexandra
Cristofalo, Eric	Hauske, Michael	Martin, Michael	Rioux, Russell
Cruice, Derek	Hawkins, Zachary	Mathews, Kevin	Rish, James
Cunliffe, Charles	Hefelfinger, Kelly	Matthews, Jenna	Rogers, Zachary
Curt, Edward	Heffelnan, Taylor	Matzke, James	Rossi, Stephen
D'Alessio, Anna	Heil, Francis	McAlpine, Patrick	Rynex, Todd
Das, Arun	Hergesheimer, Chas.	McClure, William	Rzeszut, Michael
Deal, Stephanie	Herrera, Floren	McGahee, Tyler	Sansalone, William

Schaefer, Matthew  
 Schiff, Ariella  
 Schimmel, Lilma  
 Sergison, Daniel  
 Sharma, Ravi  
 Sheridan, John  
 Simoes, Angelo  
 Skolnick, Edward  
 Sloan, Daniel  
 Small, Charles  
 Spirk, Joseph  
 Stake, Frank  
 Steffel, Timothy  
 Stockton-Rossini, Giovanni  
 Sullivan, James  
 Swaim, Megan  
 Sweeney, Ryan  
 Szarko, Tyler  
 Taylor, Andrew  
 Teter, Matthew  
 Tilden, James  
 Todd, John  
 Tolle, Branden  
 Trottier, Chelsea  
 Van Sant, Christopher

Vare, Michael  
 Villanti, Sabrina  
 Virtue, John  
 VonBriel, Robert  
 Wagner, Brittany  
 Walker, Alexandria  
 Walker, Nicholas  
 Wang, Hongfeng  
 Warren, Justin  
 Watson, Matthew  
 Weathers, Stephen  
 Weidner, Christopher  
 Weitzner, Heather  
 Werner, Kevin  
 Wherry, Michael  
 Whipple, Chris  
 White, Dylan  
 Winslow, Ryan  
 Witt, Brandon  
 Wright, Nicholas  
 Yetka, Alexander  
 Yovanovich, Kathryn  
 Zervas, Zachary  
 Zhang, Yang  
 Zhu, Junpeng  
 Zipf, David

## ***CONGRATULATIONS!***

**DELAWARE ASSOCIATION OF  
 PROFESSIONAL ENGINEERS  
 92 Read's Way, Suite 208  
 New Castle, DE 19720**

### **Council Executive Committee**

Charles L. McAllister, P.E., **President**  
 Hans M. Medlarz, P.E., **Vice President**  
 Daniel P. Barbato, P.E., **Secretary**  
 Keith R. Kooker, P.E., **Treasurer**  
 Frank A. Newton, **Immediate Past President**

### **Council Members**

Vincent Robertson, Esq.—Sussex Co.—Apptd.	8/31/12
Frank A. Newton -- Kent Co. -- Apptd.	4/06/13
John E. Tracey, Esq. -- New Castle Co. -- Apptd.	8/31/13
Meghan Lester, P.E., New Castle County	8/31/14
Charles L. McAllister, P.E., Industry	8/31/14
Theodore A. Thomson, P.E., Civil Engineering	8/31/14
William D. Balascio, P.E., Electrical Engineering	8/31/15
Keith R. Kooker, P.E., Private Consulting	8/31/15
Soheil Gharebaghi, P.E., Kent County	8/31/15
Carmine C. Balascio, P.E., Education	8/31/16
Robert E. Hayden, P.E., Mechanical Engineering	8/31/16
Erik F. Retzlaff, P.E., Sussex County	8/31/16
Daniel P. Barbato, P.E., "Other" Eng.	8/31/17
Hans M. Medlarz, P.E., Government Employment	8/31/17
Michael A. Lennon, P.E., Chemical Engineering	8/31/17

### **Council Staff:**

Peggy Abshagen	Suzanne Shimomura	Dedra Poe
Executive Director	Executive Assistant	Admin. Coordinator

### **Council Office:**

92 Read's Way, Suite 208, New Castle, DE 19720  
 (302) 323-4588 (302) 323-4590 – FAX

e-mail: [office@dape.org](mailto:office@dape.org) website: [www.dape.org](http://www.dape.org)