



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

***Winter 2011***



**PRESIDENT'S MESSAGE**

**By Gregory Pawlowski, P.E.**

In the Summer of 2007 newsletter I wrote an article about the 35<sup>th</sup> anniversary of DAPE. In it I described the workings of DAPE and made the statement that "Volunteerism is the backbone of our Association." That statement still holds true today. There are several standing committees within DAPE: External Affairs, Public Information, Government Affairs, Finance, Facilities, Examining, and Law Enforcement. The latter two are the largest committees and meet monthly; all other committees meet as needed, with limited members. It is this last statement that I would like our members to give some consideration. To better help you select a committee to be involved with, a brief synopsis of their respective charges will be given.

External Affairs' primary function can be viewed as to monitor outside actions which affect DAPE and its primary functions. This is commonly a change in legislation which may have a bearing on the duties of DAPE. Another facet has to do with responsibilities that overlap between architects, engineers, and surveyors. Efforts are continuously being made, through the committee's Joint Advisory Panel, to define and assign respectively these responsibilities.

Public Information can be viewed as a committee entrusted to promote inside actions, generated by DAPE, to the public. The most common means is through the quarterly

newsletter you are reading. Law changes, which were discovered through the External Affairs Committee, would be disseminated through the Public Information Committee. Other responsibilities include holding an annual outreach workshop program for users of engineering services. The purpose of the workshop is to create an understanding of our enforcement program, provide clarity regarding when submitted engineering documents must be sealed, and foster improved enforcement capability. It should be no surprise that a continuing duty is to provide the professional aspects of the engineering profession and encourage licensure. This year I have asked this committee to resurrect the Engineering Open House during Engineering Week 2012. Assistance will come from the department chairs of the various Engineering Technology programs at Delaware Technical & Community College as well as technical societies and local engineering firms.

While the Facilities Committee may not always be considered a very active one, this year I have asked it to develop a test and recovery plan for our information technology system. In short it is a disaster recovery plan which came to DAPE's attention through the temporary loss of one of our servers this past year. One goal is to develop upgrades and redundancies in our system. Digital archiving is another goal. Those of you who have a background in this area would be most welcomed on this committee.

The Government Affairs & By-laws committee acts as our legal liaison with the public. They draft legislation prior to each Legislative Session, as requested by Council and for final Council approval, and liaise with the State Legislature and Governor as necessary to have the legislation passed into law. This may also entail meeting with our lobbyist to promote these law changes. At the member level,

the committee reviews and prepares proposed revisions to the By-laws, as necessary and appropriate, to be consistent with the law revisions. Presently two of the committee members are appointees as well as attorneys.

One of the most trusted duties of DAPE is ensuring the fees collected are handled responsibly. While many other State Boards have raised their fees in recent times, DAPE has not done so since 2002. Prior to this time the renewal fee was a mere \$36 and only \$24 prior to 1988. Based on our cash flow projections, no near future increase is foreseen. Our By-Laws dictate a very conservative investment policy and our expenses are kept in check. Managing these tasks are just some of the duties bestowed upon the Finance & Employee Compensation Committee. This committee also conducts annual reviews of the staff and responds to recommendations made in annual audits by an independent accounting firm. As with the Facilities Committee, this year the Finance Committee has been charged with developing a Disaster Plan which addresses essential file security and recovery in the event of damage, a temporary office location, and any other key issue.

If any one of these committees has a ring of interest to you, and you feel you can make a contribution of some time to one, I welcome your services. To find out more about them you may write to me directly or contact Peggy Abshagen, our Executive Director. You may note that no mention was made of the Examining or Law Enforcement Committees. As stated at the beginning of my message, they both meet monthly are adequately staffed for the time being. I look forward to hearing from you and hope you will consider giving some of your time to the Association.

---

---

## **MESSAGE FROM THE EXECUTIVE**

### **DIRECTOR**

***By Peggy Abshagen***

Tis the season to recognize those engineers that exemplify the profession. Those professionals that serve their families, communities and the engineering community in ways which can make a difference in the world!



Engineers Week will be celebrated February 20-26, 2011, celebrating its 60<sup>th</sup> anniversary. The Delaware Engineer of the Year **Carolann Wicks, P.E.** (Secretary of the Delaware Department of Transportation) and the Young Engineer of the Year **Thomas A. Coleman, II, P.E.**

(Associate of Karins and Associates) will be recognized at the annual banquet on February 24, 2011 at the Dupont Country Club.

DAPE has also taken this opportunity to recognize the many engineers that accomplish the myriad of tasks before this organization. President Pawlowski briefly described the work of the DAPE committees, from reviewing credentials of applicants to participating in enforcement investigations to proctoring examinations. During its annual recognition ceremony, the volunteers of DAPE's committees will be acknowledged for their tireless efforts and dedication to the engineering community. Additionally, each committee has nominated an individual to be awarded the Distinguished Service Award (see article elsewhere in newsletter). The selection of the recipient is a difficult one when there are so many deserving candidates.

Suffice it to say, we are indebted to the true professionals who have made a difference in the world – especially our small Delaware world!



**Let's Face It, Foreign Educated Engineers And Many of Our 4-Year Engineering Technology Graduates Are Better Educated Than Most of the Engineers We're Producing . . .**

By, Robert A. Chagnon, P.E., SECB

What's worse, we're penalizing them by requiring 8-years of experience in lieu of the 4 required by U.S. BS's in engineering.

The ABET accreditation criteria calls for 32 semester credits in engineering science and 16 in engineering design. All of the graduates from foreign institutions that I've reviewed as a long standing member of DAPE's Examining Committee surpass these requirements by a long shot.

As a typical example, a recent graduate with a BS in Civil Engineering from a university in Egypt graduated with over 160 credit hours of study. The max required in the U.S. is currently 128 and academia is pushing to get that down to 120. That particular graduate has completed courses in statics, dynamics, fluid mechanics, hydraulics, electromechanical engineering, plane and topographic surveying, geology, irrigation & drainage, structural steel design I & II, steel bridge design, repair & strengthening of structures, reinforced concrete design I through IV, two courses in geotechnical engineering, highway & traffic engineering, transportation planning & railway engineering, building construction, construction methods, planning and control of construction and projects, two courses in environmental engineering, earthquake engineering, legislation & contracts, project management, structural analysis I through IV, foundation engineering and I'll stop here because I know that I must be boring you to death.

Why encumber this individual with 8-years of mandatory engineering practice when he's already starting off several years ahead of most any U.S. engineering graduate fresh out of college? For all that matters, he's probably ahead of most starting out with an MS. In general, the accrediting agencies that review engineering transcripts from foreign institutions almost always conclude that the graduate's curriculum fails to fully meet the equivalent to the ABET criteria due to some deficiencies in ABET's mathematics, basic science, humanities and social science requirements. If these graduates are so deficient in math and science, why

is the U.S. continuously rated so far behind in these areas compared to other countries?

I've included U.S. BS in ET graduates in with the above but such doesn't apply to all U.S. BET programs. Several colleges and universities in the U.S. offer 4-year Bachelor of Science degrees in various engineering technology disciplines that mirror the type and depth of engineering study that most of us that graduated some 40 plus years ago (yikes) were subjected to. Their faculty is made up of mostly PE's with master's degrees and few if any PhD professional educators. These programs are engineer interns from the University of Delaware have had a semester's course that combined steel design and concrete design but neither areas of study ever exposed them to AISC's "Steel Construction Handbook" nor the ACI's "Building Code Requirements for Reinforced Concrete". They can analyze the heck out of a structural problem, via the computer, but can't prove that their results are correct through any hand analysis. They don't teach drafting anymore, just how to perform certain operations using a CAD program. As a result, they can do graphics but do not know what to draw so that the end product accomplishes its ultimate objective. Being able to read a drawing is also a challenge.

Educators claim that today's engineering graduates are better prepared to be the leaders of the future. They leave college as more well-rounded professionals with better management, communication, and leadership skills needed for business success. But, who's going to do the engineering?



### **THIRTY-SIX NEW PROFESSIONAL ENGINEERS!**

The October, 2010 exam administration produced 36 new professional engineers. After successful passage of the Principles & Practice of Engineering examination, the following individuals were approved for licensure at the January 14, 2011 board meeting and will be formally awarded their certificates at the Engineers Week Banquet .

Beg, Himad	#16702
Betser, Erel	#16728
Bickhart, Ross	#16952
Boulden, Chadd	#16385
Brien, Kevin	#15612
Chimchirian, Robert	#16678
Cornell, Thomas	#17008
Cornman, Matthew	#17001
Dellose, John	#16459
Eagleson, Todd	#16464
Fitzpatrick, Daniel	#16448
Freeman, Glenn	#16956
Gregg, Meghan	#16724
Hassan, Kazi	#16873
Huynh-Ba, Gia	#16082
Kendall, Robert	#14596
Kim, Jinseop	#15959
LaPerle, Jeffrey	#16453
Lesley, John	#15530
Liu, Jackie	#16748
Lorah, Aaron	#15610
Lu, Yixin	#16001
Nikolic, Adrienne	#16943
Opila, Mary Catherine	#16921
Poterjoy, Christopher	#16639
Quinn, John	#16406
Romano, Joseph	#16528
Sheth, Abhijit	#16486
Siddiqui, Nasir	#15164
Sims, James	#16418
Stevens, Michael	#16352
Uppuluri, Ramakrishna	#10003
Weiss, Thomas	#16928
Werkheiser, Scott	#16595
Winterling, Adrienne	#16638
Yeung, Baldwin	#16892

**CONGRATULATIONS!!!!**

### **2011 DISTINGUISHED SERVICE AWARD GOES TO...**

The fifth annual Distinguished Service Award will be presented to **Robert W. McClure, P.E.** on February 9, 2011, at the Deerfield Restaurant, Newark, Delaware.



Licensed on June 14, 1977, Bob has served on the DAPE board in the Electrical Engineering and New Castle County seats for several terms since 1982, serving as President from 1986-1988. He has been a long-standing member of the Examining Committee and has been active in IEEE, DES and NCEES for decades. He has taught PE review courses at the University of Delaware and visited Electrical Engineering students to encourage licensure.

Bob was selected as the 1995 Delaware Engineer of the Year.

Since retiring from Dupont, Bob maintains his golf excellence with his wife, Joan, with whom he resides in Wilmington, Delaware.

### **NEW ENGINEER INTERNS**

Following the successful passage of the October, 2010 Fundamentals of Engineering examination, the following individuals have been awarded Engineer Intern status:

Abdou, Meena  
Alejnikov, John  
Andersen, Geoffrey  
Barnett, Sarah  
Behan, James  
Beisel, Jeffrey  
Bentley, Matthew  
Beppel, Ashley  
Betser, Erel  
Biser, Anne-Marie  
Briggs, Dustin  
Brupbacher, Michael  
Buchanan, Tucker  
Burhanpurwala, Hussain  
Cacciola, Daniel  
Cavalucci, John  
Clubb, Ross  
Collins, Roy  
Collison, Catherine  
Cook, Jeremiah  
Corini, Cameron  
Costabile, Thomas  
Countess, Stephanie  
Cowperthwait, Clayton  
Daddario, Thomas  
Danner, Katherine  
Craig, Davis  
Debonis, Michelle  
Deibel, Shannon  
Devaney, Jennifer  
DiBello, Louis  
Dickason, Jonathan  
Dilg, Geoffrey  
Donaghue, Adrienne  
Donaldson, Brian  
Dottin, Dwayne  
Erickson, Michael  
Essner, Patrick  
Ewell, Matthew  
Falcon, Jacob  
Falk, Joshua  
Federer, Scott  
Getsinger, Brandon  
Goldstein, Daniel  
Hailemariam, Michael  
Hanle, Elizabeth  
Hennigan, Bryan  
Henry, Samuel  
Herrmann, Stanley  
High, Erica

Hilferty, Joshua  
Hobbs, Richard  
Hostage, Michael  
Houston, Patrick  
Hudson, Christopher  
Ibeka, Nnamdi  
Janniello, Daniel  
Jayko, Deirdre  
Jett, Amanda  
Johnson, Jeremy  
Karinja, Patrick  
Kassingier, Kristy  
Kavanaugh, Patrick  
King, Taylor  
Kozacik, Stephen  
Kozak, Matthew  
Kropat, Elisa  
L'Esperance, Brittany  
Lapiska, Daniel  
Leone, Matthew  
Lewandowski, Kevin  
Lewis, Ryan  
LiBassi, Sam  
Lindemer, Matthew  
Lloyd, Stephen  
Lobo, Lauren  
Loht, Taylor  
Long, Max  
Malin, Ryan  
Mandala, James  
Martino, Kelli  
Masullo, Paul  
McGettigan, Patrick  
McGurk, Robert  
McNally, Dylan  
Messick, Daniel  
Mitchell, Daniel  
Murakowski, Dariusz  
Natrín, Michael  
Nusblat, Oren  
Ogram, William  
Packer, Kevin  
Parker, Adam  
Paulus, Andrew  
Pavlick, Drew  
Perry, Thomas  
Pioli, Christopher  
Plimpton, Carol  
Pollmeier, Luke  
Pretz, Caitlin  
Rendon, Matthew  
Robbie, Kevin  
Rodrigues, Jacqueline  
Rowe, Matthew  
Rubinetti, Vincent  
Rufft, Jennelee  
Salindong, David

Santosus, Joseph  
Sarkkinen, Jonathan  
Savona, Richard  
Scott, William  
Segerman, Matthew  
Serafinas, Michael  
Shank, Corey  
Shockley, Ryan  
Sleasman, Gregory  
Smith, Andrew  
Sollecito, Theresa  
Spears, Benjamin  
Specht, David  
Spiering, Tyler  
Strawley, Raymond  
Sutkowski, Christine  
Sweeney, Colin  
Tas, Alexander  
Touretzky, Cara  
Trainor, Peter  
Walls, Scott  
Watson, Cara  
Waylett, Rachel  
Weidman, Mark  
Whiteside, Mark  
Williams, Brittany  
Wright, David  
Wurst, Diane  
Yan, George  
Yost, Kerry  
Zmijewski, Daniel

examinees must obtain acceptable results on both components.

### **FE Exam Future Change:**

The Fundamentals of Engineering exam is being converted to a computer-based exam format. At the 2010 Annual meeting, member boards approved moving in this direction with both the FE and FS exams.

This exam format transition is expected to take at least two years. It will take at least until Fall 2013 or Spring 2014 to complete the transition. Examinees will be provided with more opportunities for scheduling the exam. And the exam itself could be less than eight hours.

Exam item banks need adapting and the selection of vendors, in addition to communicating with licensing boards are among the many logistics to work out. Many state boards will need to revise their statute to eliminate any reference to 8-hour exams or written exams, since the computer exam could be less than 8 hours.

We'll keep you posted on the progress of CBT!

By the way, NCEES exams are now administered in Japan, Canada, Cairo, Korea and Saudi Arabia! All exams are administered in English, after the U.S. administration of exams, and are proctored by NCEES staff.

---

---

### **NCEES UPDATE**

#### **PE Exam Change:**

Several changes are taking place with the NCEES examinations. Effective with the April, 2011 exam administration, a new 16-hour Structural exam will be administered.

The new exam is a breadth and depth exam divided into two 8-hour components. The Vertical Forces is offered only on Friday and focuses on gravity loads and lateral earth pressures. The Lateral Forces component is offered only on Saturday and focuses on wind/earthquake loads.

Examinees are required to choose either buildings or bridges and must work the same topic area on both components. To pass the structural exam,

---

---

### **CALLING ALL PROCTORS . . . .**

The April exam administration is right around the corner, and we are soliciting proctors for **Friday, April 8th and Saturday, April 9<sup>th</sup>**. Come join your peers in volunteering a few hours for future engineers and enjoy the opportunity to meet other DAPE members and provide a valuable service to the profession.

If you are a rookie, we'll train. If you're a veteran, we'd love to have you back. We'll even provide you with lunch! Please contact our office at [office@dape.org](mailto:office@dape.org) to volunteer your time!



## 2010-2011 COUNCIL MEMBERS



D.P. Barbato, P.E.



D.G. Clark, P.E.



W.Z. Crouch, P.E.



K.R. Kooker, P.E.



R. Leitsch, P.E.



M. Lester, P.E.



G.F. Marcozzi, P.E.



C.L. McAllister, P.E.



H.F. Medlarz, P.E.



F.A. Newton



G.G. Pawlowski, P.E.



V. Robertson, Esq.



A. D. Shine, P.E.



M. Siwek, P.E.



J.E. Tracey, Esq.

## Council Executive Committee

Gregory G. Pawlowski, P.E.

**President**

Charles L. McAllister, P.E.

**Vice President**

Hans M. Medlarz, P.E.

**Secretary**

Keith R. Kooker, P.E.

**Treasurer**

F. A. Newton

**Immediate Past President**

## Council Members

Keith R. Kooker, P.E., Kent County	8/31/11
Guy F. Marcozzi, P.E., Private Cons.	8/31/11
M. Siwek, P.E., Electrical Engineering	8/31/11
W. Zachary Crouch, P.E., Sussex County	8/31/12
Robert Leitsch, P.E., Mechanical Eng.	8/31/12
Vincent Robertson, Esq.—Sussex Co.—Apptd.	10/13/12
Annette D. Shine, P.E., Education	8/31/12
Daniel P. Barbato, P.E., "Other" Eng.	8/31/13
David G. Clark, P.E., Chemical Engineering	8/31/13
Hans M. Medlarz, P.E., Government Employment	8/31/13
Frank A. Newton -- Kent Co. -- Apptd.	4/6/13
John E. Tracey, Esq. -- Sussex Co. -- Apptd.	8/31/13
Meghan Lester, P.E., New Castle County	8/31/14
Charles L. McAllister, P.E., Industry	8/31/14
Gregory G. Pawlowski, P.E., Civil Engineering	8/31/14

## Council Staff:

Peggy Abshagen  
Executive Director

Rachel Straley  
Administrative Asst.

## 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)

Be sure to notify the Council office.

The Delaware Association of Professional Engineers requests that you notify our office immediately of any change of address. Reporting a change of address is vital to ensure that you receive necessary renewal information and other correspondence important to your continued licensure. If you have changed your address, go to [www.dape.org](http://www.dape.org) and update your records. Or you may complete the following form and email, mail or fax it to the Council office and we will update the records.

**The Delaware Association of Professional Engineers (DAPE) is the contact agency for licensing, regulations and complaints for the engineering profession.**

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

## Change of Address Notice

(Please print all information)

License

Number: \_\_\_\_\_

Name: \_\_\_\_\_

Old Address: \_\_\_\_\_

New Address: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_