



The Pittsburgh Professional Engineer

<http://www.PittsburghPE.Org>

E-mail PSPE@PittsburghPE.Org

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The Pittsburgh Chapter of the Pennsylvania Society of Professional Engineers

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December 2002

PRESIDENT'S MESSAGE : Of what value is the engineering license to you ?

Greetings to you all, PSPE Pittsburgh Chapter members & sustaining associates.

The above question might seem to be a simple one to answer, but for some reason I am not so sure that it is as simple as it seems.

The licensing or registration of Engineers has been the key goal of the Society of Professional Engineers whether local, state or national since its founding.

The NSPE defines licensure as a professional engineer this way .. "the statutory process through which a person meets the legal requirements sufficient to be permitted by law to practice engineering in that jurisdiction. Licensing and registration are the terms used, often interchangeably, in the state statutes to establish these requirements.

State licensure laws for design professionals are predicated upon and justified only as a means to protect the public health, safety, and welfare. The public interest is best served by the licensure of all qualified individuals within the engineering profession."

To evaluate the value of the Engineering license to you, consider the following scenario : You wake up tomorrow morning and the news headline of the day reads : "All Professional Engineering licenses are no longer required for the practice of Engineering. Any engineering graduate can practice engineering and present themselves as engineers."

Would you care ? Would you change the way you represent yourself professionally ? Would you do anything to change this if it happens ? Would the changed status affect the level of "Engineering" service you provide to your clients ?

Or consider this alternate scenario: You wake up tomorrow morning and the big news story of the day states that : "the Engineering Licensure Law has been amended to remove all exemptions and the practice of Engineering definition was extended to cover all possible "Engineering" work. The law is also amended to require all licensed Engineers to maintain their technical skills with continuing education requirements.."

Would you care ? Would you change the way you represent yourself professionally ? Would you do anything to change this if it happens ? Would the changed status affect the level of "Engineering" service you provide to your clients ?

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*Season's Greetings from the Officers and Board of Directors
of the Pittsburgh Chapter of the PSPE*

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I probably can go on with other scenarios, but the bottom line is, as Professional Engineers and as Engineers in general we are responsible for the image and integrity of our chosen profession.

I invite all of you to attend the January 9, 2003 Chapter meeting and to voice your opinion on this subject. The meeting format will be an open discussion forum.

Our objective is to, at the conclusion of the meeting, come up with an action plan to send to our members and to advance to the State Society as to what we can do to advance the Engineering profession and image.

Engineering Licensure is one of the main focuses of our society so make sure you attend this meeting and make your views

known. Meeting details are on Page 3 of this Newsletter.

Michel J. Sadaka, P.E. Chapter President

New Chapter Members

We welcome the following New Chapter Members who Joined our Chapter in 2002

Justin Wagner	Peter Broman	David Reilly	John Lippl	Brian Silowash
Cullen Flanders	Sean Henderson	Patrick Branch	Daniel Whalen	Luis Vega
Robert Grier	Nelson Crooks	Kenneth Smith	Navin Kadakia	Thomas McHugh
Kenneth Fair	William Rusmisl			

New Sustaining Associates

We welcome the following New Chapter Sustaining Associates who recently Joined our Chapter

The Law Firm of Babst Calland Clements, Zomnir

Pedersen & Pedersen, Inc.

Newsletter. The Chapter Newsletter "The Pittsburgh Professional Engineer" is published by the Pittsburgh Chapter to inform the Chapter members of the various planned events and activities. It also features articles on issues that interest the members. If you would like to contribute an article or assist in publishing the newsletter, please contact us. Any help is greatly appreciated.

How Would You Like to Receive the Newsletter? Please answer the following survey and send in your response and comments. Thanks in advance for your participation.

I WOULD LIKE TO HAVE THE PITTSBURGH PROFESSIONAL ENGINEER DELIVERED TO ME IN THE FOLLOWING FASHION:

- Hard copy through the U.S. mail. (current status, response is still needed)
- PDF file sent to my preferred email address
- E-mail noification with a link to the Newsletter on the Chapter website

Please send your responses to the Chapter office by regular mail, by fax to 412-261-1606 or by e-mail to PSPE@PittsburghPE.Org

* If you have already responded to this survey, there is no need for you to respond again, and THANKS !

HAVE YOU VISITED THE CHAPTER'S NEW WEBSITE ? COME VISIT US @ [HTTP://WWW.PITTSBURGHPE.ORG](http://www.pittsburghpe.org)



**PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS
PITTSBURGH CHAPTER**

JANUARY 9, 2003 CHAPTER MEETING

Of what value is the Engineering license to you ?

Do you have an opinion you want to voice ? Do you think that your local Chapter should do more to promote the Engineering profession ? Our objective is to, at the conclusion of the meeting, come up with an action plan to send to our members and to advance to the State Society as to what we can do to advance the Engineering profession and image.

Place: Engineers Building, 337 Fourth Avenue, Pittsburgh PA 15222

Time: 6:00 p.m. Cash bar
6:30 p.m. Dinner, (Dinner Cost \$ 25.00 per attendee)
7:15 p.m. Introduction & general discussion

You may make your reservation by filling in the form below and mailing or faxing it to the Chapter office. You may also phone in all of this information to us. If you opt to make your reservation via e-mail, do not e-mail your credit card info. Payment may be made by calling in your credit card info, faxing this filled in form, or mailing this form with credit card info or enclosing a check.

Office Phone number (412) 391-0615 e-mail: PSPE@PittsburghPE.Org
Office fax (412-261-1606) Mailing Address: PSPE, 337 Fourth Avenue, Pittsburgh PA 15222

Name : _____ **Guest :** _____

Payment Options:

Credit Card: MASTERCARD VISA Card Number: _____

Name (as it appears on the credit card): _____

Billing Zip Code : _____ Expiration Date: _____

Check enclosed payable to PSPE Pittsburgh Chapter and mailed to 337 Fourth Avenue, Pittsburgh PA 15222

Dinner Choice : Choose one of the following (if more than one attendee, indicate the number of each choice):

Virginia Spots - English style with lemon, butter cream sauce.

Chicken Riviera - Boneless breast topped with sliced tomatoes, garlic butter & melted Asiago cheese.

The dinner entrees are served with fresh garden salad, assorted rolls & butter, coffee, decaf, tea & iced tea and Chef's choice of starch, vegetable and dessert.



All Engineers and their guests are cordially invited to the Annual

NATIONAL ENGINEER'S WEEK BANQUET

presented jointly by:

**PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS
PITTSBURGH CHAPTER & AMERICAN SOCIETY OF CIVIL ENGINEERS**

On Saturday, February 22, 2003

at The Club At Nevillewood, 1000 Nevillewood Drive, Nevillewood, Pa

Please Join us for a wonderful evening of fellowship, great food
and the presentation of the 2003 Engineers Week Awards

Cocktails : 6:00 PM Social (Cash Bar)

Welcome & Presentation of Mathcounts Awards : 6:30 PM

Dinner : 7:30 PM

Keynote Speaker : 8:30 PM

Dinner Choice : Choose one of the following

- ✕ Chicken Princess - Breast of chicken finished with a light veloute & fresh asparagus
- ✕ Poached salmon filet - topped with cucumber dill sauce
- ✕ Roast tenderloin of beef - topped with peppercorn sauce

You may make your reservation by filling in the form below and mailing or faxing it to the Chapter office. You may also phone in all of this information to us. If you opt to make your reservation via e-mail, do not e-mail your credit card info. Payment may be made by calling in your credit card info, faxing this filled in form, or mail ing this form with credit card info or enclosing a check.

Phone: (412) 391-0615 Fax (412-261-1606) e-mail: PSPE@PittsburghPE.Org U.S. Mail; PSPE, 337 Fourth Avenue Pittsburgh, Pa 15222

Name : _____ **Meal Choice:** _____

Name : _____ **Meal Choice:** _____

Reservations including payment must be received by February 17, 2003. Cost per attendee \$ 60.00

If reservation and payment is received by February 7, 2003 the cost per attendee is reduced to \$ 55.00

Payment Options:

Credit Card: MASTERCARD VISA Card Number: _____

Name (as it appears on the credit card): _____

Billing Zip Code : _____ Expiration Date: _____

Check enclosed payable to PSPE Pittsburgh Chapter and mailed to 337 Fourth Avenue, Pittsburgh PA 15222

Directions to The Club At Nevillewood will be enclosed with the January Newsletter and posted on the Chapter website www.PittsburghPE.Org. You can also print extra reservation sheets if needed from the newsletter section of the website

Chapter Elections - The election of Chapter officers and directors is a very important aspect of maintaining the continuity of our local chapter. Although the election is a few months away, it is never too early to begin the process of selecting nominees for the open offices.

The Chapter positions that we will need to fill in the May 03 elections are :

- Vice President (One year term)
- Alternate State Director (remaining two year term)
- Two Directors (for 3 year term)
- One Director to fill a two year term

If you are interested in serving the Chapter in any of the above positions or if you know of anyone that would be a good candidate please let us know.

It will be very helpful if, prior to submission, you insure that suggested nominees are willing to serve. Your nominations must be received prior to February 28, 2003.

Recommendations for local chapter officers:

Vice President _____
Alternate State Director _____
Director _____
Director _____
Director _____

Person making the recommendations _____
Phone _____ Email _____

Please send your responses to the Chapter office by regular mail, by fax 412-261-1606 or by e-mail to PSPE@PittsburghPE.Org

Pennsylvania Engineering Foundation - Nomination for Secretary. Due to the passing of Bob Eble, P.E., P.L.S. the Pennsylvania Engineering Foundation is in search of candidates to serve the office of Secretary through July 1, 2004.

The Foundation is a vital part of PSPE, funding MATHCOUNTS and scholarships. Board members meet three to four times annually, primarily via toll-free conference call, but occasionally in person. Travel expenses are reimbursed. The Secretary is responsible for keeping minutes of board proceedings.

Pennsylvania Engineering Foundation - Self-Nomination form :

I, _____, am interested in serving as PEF Secretary through July 1, 2004.
(Print name)

PSPE Chapter : _____
Address: _____
City, State, Zip: _____
Phone: _____; Fax: _____; e-mail: _____

The nomination form should be forwarded to Jennifer Summers, 908 N. Second Street, Harrisburg, PA 17102 postmarked by January 10, 2003 or via fax 717.236.2046, by January 10, 2003

Refresher Courses . This year we have something new to offer. In addition to the regular courses for mechanical, civil engineering & EIT refresher courses, we are adding an electrical engineering refresher course.

The Pittsburgh Chapter regularly sponsors two sessions of refresher courses a year, one in the spring and another in the fall, for both the Professional Engineer (mechanical and civil disciplines) and the Engineer in Training (E.I.T./F.E.) exams. Courses meet one evening/day per week at the University of Pittsburgh and are scheduled to complement the semiannual examinations administered in the Commonwealth of Pennsylvania. The cost of each course is \$250.00.

The Spring Refresher Course is now scheduled for 9 sessions. The mechanical, civil & EIT classes starting February 3, 2003, and the electrical engineering class February 1, 2003 in preparation for the PE & FE Exams on April 11 & 12, 2003. The classes are held at the University of Pittsburgh Benedum Hall.

All classes except the electrical engineering will be held over nine week nights or 22-1/2 hours of instruction. There will be 2-1/2 hours of instruction from 6:30 to 9:00 p.m. each night. The course dates are: February 3, 10, 17, 21; March 10, 17, 24, 31; April 7. The electrical classes are scheduled for Saturdays from 9:00 to 11:30 AM. The electrical course dates are February, 1, 8, 15, 22; March 1, 8, 15, 22, and 29.

The first session after a short orientation will cover the subject of Engineering Economics. Eight following sessions will be conducted in small groups and will be concerned with a review of fundamental engineering principles (EIT) and solving of problems in various subjects and fields concerned (PE).

A minimum enrollment of 10 students for each class is required and no exception to this will be made. A tuition fee of \$250 is charged for the course. The fee, along with the application form, should be mailed to Pittsburgh Chapter, PSPE by January 27, 2003. Tuition is not refundable after the FIRST session. Tuition does not include fee for taking examination. The application and fee were due in Harrisburg or State College before December 1, 2002.

NOTE: APPLICATION FOR THIS REVIEW COURSE DOES NOT CONSTITUTE APPLICATION TO THE COMMONWEALTH OF PENNSYLVANIA FOR PERMISSION TO TAKE EXAMINATION.

The Application for the FE/PE exam can be obtained from ... <http://www.pcshq.com> or by calling 1-877-ENG-EXAM (1-800-364-3926)

PE Exam will be given April 11, 2003 and Fundamental Exam April 12, 2003.

For more information and registration materials, please contact the Chapter office at:

Dr. Gene Geiger, Chairman, Registration Advice Committee
PSPE, Pittsburgh Chapter Office, 337 Fourth Avenue, Pittsburgh, PA 15222, or call the PSPE office (412) 391-0615

APPLICATION FOR SPRING 2003 REFRESHER COURSES

Mail to : **Pittsburgh Chapter, PSPE, 337 Fourth Avenue, Pittsburgh, PA 15222**

Make checks payable to : **PSPE, Pittsburgh Chapter**

I wish to enroll in the Professional Engineer or (EIT) Refresher Course as indicated below. My fee of \$250 (\$225 for Sustaining Associates) payable to Pittsburgh Chapter, PSPE is enclosed. **I will report for class on February 3, 2003 for the mechanical, civil & EIT courses, or I will report to class on February 1, 2003 for the electrical review course.** I understand that I must register separately to take the exam and that the course is being scheduled based on anticipated need and can be canceled with full refund at any time up to the first class.

NAME: _____ COMPANY: _____

ADDRESS: STREET _____

CITY _____ STATE _____ ZIP _____ WORK PHONE: _____

HOME PHONE: _____ E-MAIL _____

DATE _____

(Registration including payment must be received by January 27, 2003)

CHOOSE ONE : MECHANICAL ENGINEERING CIVIL/STRUCTURAL ENGINEERING
 ELECTRICAL ENGINEERING FE(EIT)

MATHCOUNTS - Another MATHCOUNTS year is now in full swing. School packets were sent out in September and Allegheny County schools are currently working through the school handbooks, preparing the students for the 2003 MATHCOUNTS competitions. Interest in the program continues to increase and we expect a record number of schools this year. Registrations were due on December 13, 2002 and the Chapter Competition will be held at the Benedum Auditorium on the University of Pittsburgh Campus on Saturday, February 8, 2003.

If you are unfamiliar with the MATHCOUNTS program, visit the website at www.mathcounts.org <<http://www.mathcounts.org>> to find out more. The website contains updated news and information about the program. An interesting part of the website is the problem of the week. You'll see that the math problems these 6th, 7th, and 8th graders work through are difficult enough to give us engineers a challenge. Work through the problem of the week and then check back to see how well you did.

The competition is open to all middle school students in Allegheny County. Typically 30 to 40 schools participate, each sending a 4 student team.

The Pennsylvania MATHCOUNTS program is one of the largest in the country. Participating since 1984, we are one of the top three states in the nation in the number of schools that participated in the local competitions. The prizes offered to the winners of the State competition exceed even the National Awards. This year the following scholarships will be awarded to the top individuals:

- ❖ University of Pittsburgh – four year Engineering, full tuition
- ❖ Penn State University – four year Engineering, full tuition
- ❖ Drexel University – five year Engineering, \$5,000/year Anthony J. Drexel Scholarship
- ❖ Temple University – year Engineering, \$2,500/year

In addition, the Pennsylvania Federation of Business and Professional Women's Clubs will award a \$1,000 Scholarship to the top female competitor, and the PSPE Al Molinski scholarship for \$1,000 to an A-BET accredited Engineering school in Pennsylvania will be awarded to the fifth place individual.

The Pittsburgh Chapter MATHCOUNTS competition requires a great effort. Many chapter members look forward to helping year after year. These volunteers comment on how amazing these students are and how they enjoy watching the competition. They see just how much it means to the kids. This year, we would like to see some new faces getting involved with MATHCOUNTS.

Volunteers are needed to assist on the day of the competition. If you can spare approximately 3 - 4 hours on a blustery Saturday morning, please contact Tom Schwartzmier by phone @ 412-623-1737 or email toms@nauticom.net. For volunteering you receive a very rewarding experience along with free coffee and donuts in the morning and free lunch, compliments of the PSPE Pittsburgh Chapter Mathcounts program.

Here is your chance to publish an article in the **January 2003** issue of The Pittsburgh Professional Engineer. Please forward materials to Michel Sadaka by e-mail: PSPE@PittsburghPE.org or fax 412.771.7510 or by regular mail to the Chapter office by **January 10, 2003**. This will keep us on schedule for a mail date of **January 17, 2003**

Please feel free to submit articles on topics that relate to the Engineering Profession in general, member professional news, comments and suggestions for The Pittsburgh Professional Engineer, or general professional observations.

Your support and contributions are much needed and will be greatly appreciated.

NSPE's MISSION -

NSPE is the national society of engineering professionals from all disciplines that promotes the ethical and competent practice of engineering, advocates licensure, and enhances the image and well-being of its members.

The November 14, 2002 Chapter meeting was held to honor the lifetime and retired members. The following are some photos of the event where Michel Sadaka, P.E. PSPE Pittsburgh Chapter President handed the attending retired and lifetime members certificates of appreciation.



Lifetime Member Reyman Branting



Retired Member Ed Permar



Lifetime Member Dan Danielson



Lifetime Member John Broschius



Lifetime Member Bob Schaefer



The Lifetime & Retired members group

OFFICE EQUIPMENT FOR SALE

Due to the restructuring of the Chapter office, we have the following used office equipment items for sale :

One Used Office Photo-Copier CANON NP-6030 - Features :

30 copies per minute	Two page separation Automatic paper selection	ID mode
Job memory	Image combination (4 on 1; 2 on 1),	Organic drum
Stapler & Sorter	Zoom lens 49% to 204% in 1% increments	Duplexer
Monocomponent toner	Dual front loading cassettes (3 sizes-500 sheets each)	

If you are interested in any of these items, please contact Michel Sadaka by phone 412-771-7701 or fax 412-771-7510 or by email PSPE@PittsburghPE.Org to ask questions or to make an offer.

2002-2003 Chapter Officers

Michel J. Sadaka, P.E.	412.771.7701	Michel@Sadaka.net	President
Joseph Grubbs, P.E.	412.269.2742	Jgrubbs@mbakercorp.com	President-elect
Dave Briskey, P.E.	412.272.5981	Dbriskey@dickcorp.com	Vice President
Ed Witt, P.E.	412.288.4290	Eawittjr@verizon.net	Imm. Past Pres. & State Dir.
John Broschious, P.E.	412.358.8553	jbrosc@att.net	Treasurer
Earl McCabe, P.E.	412.761.1844		Executive Secretary
Reyman Branting, P.E.	412.281.3800	bernardi@nauticom.net	Financial Secretary

2002-2003 Chapter Directors

Mohan Budidha, P.E.,	412.767.2400	Mbudidha@Medrad.com	Director	2002-2005
Kenneth Halliday, P.E.,	724.682.5072	Hallidayk@firstenergygroup.com	Director	2002-2005
Darryl Brogan, P.E.,	412.497.2144	DBrogan@hatch.ca	Director	2002-2004
Kimberly Gales, P.E.,	412.885.8888	Kageng@aol.com	Director	2002-2004
Doug Zaenger, P.E.,	724.785.2066	Dzaenger@pjdick.com	Director	2002-2003
Gary Chodkowski, P.E.,	724-443-7999	GChodkowski@mbakercorp.com	Director	2002-2003

Associate Members

Babst Calland Clements Zomnir (New)	Beckwith Machinery Company
Benchmark Engineering & Construction	Buchart-Horn, Inc.
Camp Dresser and McKee, Inc.	Civil & Environmental Consultants, Inc.
D & D Engineering, Inc.	Dick Corporation
Earth, Inc.	Eichleay Engineers, Inc.
GAI Consultants, Inc.	Galletta Engineering Corporation
Gannett Fleming, Inc.	The Gateway Engineers, Inc.
Golden Triangle Construction	HDR Engineering, Inc.
Keddal Aerial Mapping (Div. of Kucera Int'l)	L. Robert Kimball & Associates
Lorenzi, Dodds & Gunnill, Inc.	Maguire Group, Inc.
Management Engineering Corporation	Marshall Elevator Company
Mashuda Corporation	Michael Baker, Jr., Inc.
Monaloh Basin Engineers, Inc.	P. J. Dick, Inc.
Parsons, Brinckerhoff, Quade & Douglas	Pedersen & Pedersen, Inc. (New)
Roy F. Johns, Jr. & Associates	Tower Engineering
Trumbull Corporation	

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2002-2003 CALENDAR

MEMBERSHIP EVENTS & MEETINGS

Date	Time	Description	Location
Jan. 9, 2003	6:30PM	Of what value is the Engineering license to you ?	ESWP Building
Feb. 8, 2003	8:00AM	MATHCOUNTS Competition	PITT
Mar. 13, 2003	6:30PM	How safe are we on the information highway	ESWP Building
Apr. 10, 2003	6:30PM	Pittsburgh Chapter Strategic Planning, Round 2	ESWP Building
May 8, 2003	6:30PM	Sharpening the P.E.'s image	ESWP Building
Jun. 12, 2003 until Jun. 15, 2003		Annual PSPE State Conference	Erie, Pa

BOARD OF DIRECTION MEETINGS WILL BE HELD ON:

Jan. 9, 2003, Feb. 13, 2003, Mar.13, 2003, Apr. 10, 2003 & May 8, 2003
All BOD meeting are to held @ 5:30PM @ the ESWP Building .