

The Pittsburgh Sampler

A Newsletter Publication of the Pittsburgh Chapter of the
Institute of Industrial Engineers

FEBRUARY 2003

www.ie.pitt.edu/IIE/



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IIE FEBRUARY MEETING

What: Behind the Scenes Tour of the Carnegie Science Center & Omnimax Theater

When: Tuesday, February 18, 2003

Where: Carnegie Science Center

Time: 5:15 PM – Registration in the Science Center

Dinner: Hi-Tops (next to PNC Park) – Order off the menu.

RSVP: **The tour is limited to 30 people – sign up today!**
Reservations for the tour can be made with Jen Palmiero via e-mail at Jennifer.Palmiero@fedex.com by February 13th!



PRESIDENT'S MESSAGE

Well, My Promises Haven't Exactly Worked Out... But--

Last month in this space I promised you warm, sunny weather and MagLev approval. I think it's been below freezing every day since that newsletter was published. No sign of MagLev, either.

... BUT we did have a great January program! Dr. Harvey Wolfe (our IIE national president) addressed our Chapter concerning IIE and the profession. Thanks to our program committee and officers for a great job, and thanks to many of you who attended.

Fab February -- February isn't typically the most exciting month of the year, but there are several events planned this month that will get you out of the winter doldrums.

Our February Program -- Yes, it's one of Pittsburgh IIE's patented "behind the scenes" tours... this time The Carnegie Science Center. There's a rumor that we may be allowed to pilot the submarine over to Station Square... but that's not confirmed. Regardless-- you have to make this meeting... it should be fascinating!

Engineer's Week -- The annual gathering of the pocket-protector crowd-- Hope to see you at the festivities at Carnegie Science Center (February 14-15).

Diversity 2003 Job Expo -- Feb 21 at the William Pitt Union... a great event coordinated by the University of Pittsburgh chapter of the National Society of Black Engineers.

Plus... Groundhog Day! It is the highest of holidays in southwestern Pennsylvania. By the time you read this, it will be over... and we'll have to wait another whole year.

Let's Keep it Going! See you at the February program. And, as always, if you have suggestions or complaints (or would like to be more involved) don't hesitate to call or write.

Joe Kikta

IIE Pittsburgh Chapter President
(412) 236-6193
kikta.js@mellon.com

FEBRUARY 2003 PROGRAM



The February program will be a “behind the scenes” tour of the Carnegie Science Center and Omnimax Theater. This will be a great opportunity to get to see what goes on behind the exhibits and how engineers are needed to make the structures of the exhibits feasible. We will also be able to go behind the dome of the Omnimax to see what goes into the production of the shows.

The tour will start promptly at 5:30 on Tuesday, February 18th. Registration will begin at 5:15. The Science Center closes at 5:00, so ALL guests MUST be in the doors by **5:30** because the doors will be locked at this time. This tour is limited to 30 guests, so please reply ASAP. Also the tour guides from the Carnegie Science Center need a final count by Friday February 14th, so no replies will be accepted after **5:00 pm on February 13th**. The tour is free of charge.

Also please join us after the tour at Hi-Tops sports bar and restaurant located next to PNC Park (we will order off the menu). This will be a fun and sociable end to an exciting and interesting tour. Please reply to Jen Palmiero via email at Jennifer.Palmiero@fedex.com, if you would like to be a part of this event.

STUDENT CHAPTER NEWS

The student chapter of IIE at the University of Pittsburgh has elected new officers for the coming year.

President	Lindsay Hollowood
Vice-President	John Turner
Treasurer	Stacey Williamson
Secretary	Julie Jaruszewicz

The student chapter will be busy with several activities during the spring semester ranging from National Engineers' Week to the Regional Conference that will be held at Penn State on March 28-30.



CAR REPORT

By Jeff Arnold – VP, IIE Pittsburgh Chapter

Well, the new year is well under way, and so is our chapter! We have exciting plans for our chapter this year, and the leadership team is currently working on ways to improve all aspects of your membership.

Since we are recently into the start of a new year, I thought I would take a few minutes and review (in 'Cliffs Notes' fashion) the Chapter Activity Report (CAR). As you may know, the CAR is a means of assessing our Chapter's health, and helps us plan improvements. As IE's, we know that the ultimate reason for measurement is to evaluate and improve a product or process. The intent of the CAR is to provide a simple measurement system for chapters to track and trend their progress. It is also the basis for the Chapter Recognition Program. In each upcoming newsletter, the 'CAR Report' section will review plans within each of the CAR categories. Here's the quick summary of each area of the CAR along with Committee Chairs and some upcoming plans:

1.) Chapter Plans & Operations (Board of Directors)

Focuses on the planning and management of the chapter as measured by:

- Timely submission of a strategic plan
- Quality of the plan
- Number of board meetings

2.) Chapter Programs (J. Palmiero & S. Moses)

Chapter programs help us serve our members' needs by providing quality, educational, and fun monthly programs that enable us to learn from and network with each other. The CAR measures programs in terms of:

- Number of programs
- Program quality (judged through the evaluation forms we pass out at the meetings)
- Program attendance

Upcoming Plans: February: Behind the scenes at Carnegie Science Center; March: Tribune Review Tour. Also looking into a networking event with APICS.

3.) Membership Communications, Growth, and Retention (M. Harris, G. Smith)

Attracting members to our chapter and communicating effectively are two key aspects of membership. The CAR ratings cover:

- Communication with members (includes newsletters, etc.)
- Membership growth and retention

Upcoming Plans: Goal is to grow by 25 members by March 31st. Currently we have added 16 members so we are looking for at least 9 more...convince someone to join today!

4.) Student Outreach Activities and Community Affairs (B. Norman, P. Lee)

One responsibility of any professional organization is to educate the public about the contributions of its members. Also, we are charged with informing the public about the vital skills possessed by Industrial Engineers. Promoting the profession in this way helps to educate and support our communities. The CAR categories are:

- Community Affairs participation
- Student outreach activities (includes university regional conferences, scholarship support to students, National Engineer's Week, etc.)

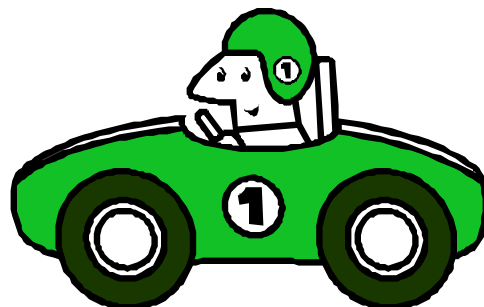
Upcoming Plans: Currently working on National Engineer's Week at Carnegie Science Center, the Bethlehem Haven Project (Women's Shelter), and looking for volunteers for the University Regional Conference at Penn State.

5.) Member/Chapter and Institute Service & Support (Chapter Officers)

This category rates member and chapter service activities. Included are:

- Member/Chapter support (publish chapter activities in local newspapers, etc.)
- Institute support (member participation in IIE events, etc.)

If you would like to see more details on the CAR categories and criteria, visit www.iienet.org/public/articles/index.cfm?cat=244 .



RECAP OF LAST MONTH'S MEETING

The January program for the Pittsburgh chapter of IIE was held on January 15th, at North Park Clubhouse. The meeting included a dinner buffet and a presentation by **Dr. Harvey Wolfe**, professor at The University of Pittsburgh & the new President of National IIE.

Dr. Wolfe began by discussing Industrial Engineering (IE) as a profession. He feels that IE provides an excellent education and wonderful opportunities in the professional world. IIE has changed over the years from an organization close to bankruptcy, to a well-managed institute. The IIE staff has been reduced from 110 members to only 41, thus cutting operational costs. The Board of Trustees governs the organization.

The main purposes of IIE are to advance mankind, improve IE as a profession, and enhance education. Its mission involves professional enhancement and recognition, research support, curriculum accreditation, & professional registration (i.e. PE exam).

The two main functions that support IIE are the management philosophy and the key principle of improving membership stability. The management philosophy includes being staff managed, having volunteer leaders, continual quality improvement and member driven change.

Dr. Wolfe described the three driving forces of IIE, which are membership, financial stability, and professional registration. Also, the three areas critical to success are the benefit of services provided, financial health, & recognition worldwide.

He believes the central focus of IIE now should be on membership and financial stability. After 9-11, membership dropped 10%. A Membership Commission has been established to increase membership. To improve IIE's financial situation, a more efficient headquarters has been established and reducing costs is a continual focus. Foundation scholarships are also an important service provided by IIE.

Some other goals of IIE that Dr. Wolfe discussed were continued process and quality improvements, increased leadership opportunities for young members, and promote & expand membership recognition. Process improvements to the IIE network include E-voting, online payment, individual member management, and a new improved website.

In his term as president from 2003-2004, Dr. Wolfe plans to continue the Institute Renewal process, and enhance involvement in the student chapters. He also plans to increase the number of members that convert from student to professional IIE members.

He then explained how each of us, as a member, could help IIE. Each member should recruit IE's throughout all industries, regardless of job title. Members need to get involved and share your thoughts on improvement. Also, help nominate people for the major awards that IIE offers. This further enhances the recognition given to Industrial Engineers.

Dr. Wolfe feels that the unique characteristic of IIE can be described in the following phrase:
"IIE Brings It All Together"

TREASURER'S REPORT

	<u>INCOME</u>	<u>EXPENSES</u>
1. DUES INCOME	\$ 800.50	XXX
2. INTEREST INCOME	6.95	XXX
3. CONTRIBUTIONS RECEIVED (A)	-	XXX
4. CONFERENCES (B)	-	-
5. MONTHLY MEETINGS	6,036.25	1,178.04
6. NEWSLETTERS (B)	-	883.55
7. MISCELLANEOUS (B)(C)	-	-
8. CONTRIBUTIONS AND GRANTS	XXX	350.00
9. PUBLICATIONS/NEWSLETTERS	XXX	737.78
10. PROGRAMS/MEETINGS	XXX	3,001.83
11. STUDENT DEVELOPMENT (E)	XXX	-
12. COMMUNITY SERVICES	XXX	-
13. MEMBER SERVICES	XXX	-
14. OFFICERS & CHAPTER MEETIN	XXX	-
15. CHAPTER OPERATIONS SUPPL	XXX	56.00
16. MISCELLANEOUS (C)	XXX	-
17. TOTAL	<u>\$ 6,843.70</u>	<u>\$ 6,207.20</u>
ENTER: 18. NET WORTH 4/01/02		\$ 5,491.32
ADD 4/01/02-3/31/03 INCOME		\$ 6,843.70
SUBTOTAL	\$ 12,335.02	
LESS 4/01/02-3/31/03 EXPENSES		<u>\$ (6,207.20)</u>
NET WORTH 3/31/03		\$ 6,127.82
19. STATEMENT OF NET WORTH		
ENTER: PETTY CASH ACCOUNT B.	\$ -	
ENTER: CHECKING ACCOUNT BAL	\$ 3,417.08	
ENTER: SAVINGS ACCOUNT BALA	\$ 2,710.74	
TOTAL *	<u>\$ 6,127.82</u>	

* THIS TOTAL SHOULD EQUAL NET WORTH AT 3/31 SHOWN ABOVE.

COMMUNITY AFFAIRS

DIVERSITY 2003 JOB EXPO

What: An annual event coordinated by the University of Pittsburgh Chapter of the National Society of Black Engineers. It is intended to provide opportunities for minority students to gain full-time employment, internships, and co-ops. Students from a broad variety of backgrounds and majors will attend.

When: Friday, February 21, 2003,
10:00 AM – 4:00 PM

Where: University of Pittsburgh – William Pitt Union
Ballroom

Participation: National Society of Black Engineers, Roberto Clemente Business School Organization, Black Action Society, Caribbean and Latin American Student Association, Asian Student Association, all other University of Pittsburgh students.

For more info, or to register your company to attend (\$300 for a table, including breakfast and registration for three representatives), contact:

Donzel Johnson - Corporate Liaison
124 Benedum Hall, Pittsburgh PA 15213
email: cheman80@hotmail.com
phone: 412.624.1278

BETHLEHEM HAVEN

IIE Community Affairs Committee started working with Bethlehem Haven to improve their operations at Fifth Avenue Commons. Bethlehem Haven has provided shelter to homeless women for over **20 years**. Two years ago they **expanded** their mission to offer a range of medical, social, educational and job training services for both homeless women and men in a new facility. If you are interested in volunteering to help the committee and the staff reduce homelessness and foster self-reliance while improving operational effectiveness, please contact Pat Kelly Lee at 412 519 5409 or PKL@TOOLKITLLC.COM. Volunteers willing to donate, one hour to one full day are being invited to participate.

2003 NATIONAL ENGINEERS WEEK

Remember National Engineers Week on February 16-22, 2003.

In addition to the Future City Competition, NEW will launch 'The New Faces of Engineering', a program that will highlight the valuable contributions of young professional engineers. To find out what else is planned for Eweek 2003 click here:

<http://www.eweeek.org/site/News/Eweek/2002/newtalent.shtml>

ENGINEER'S WEEK UPDATE

As an annual tradition, IIE participates in Engineer's Week at the Carnegie Science Center to promote the practice of industrial engineering to children and the community. This year the event is scheduled for Friday, February 14 and Saturday, February 15. We are seeking volunteers who would be proud to represent the IE Practice. Volunteers are being asked to sign up for one of the following times:

Friday: 9:00 – 11:00	Saturday: 10:00 – 12:00
10:45 – 1:00	11:30 – 1:30
12:45 – 2:45	1:00 – 3:00
2:45 – 4:45	2:30 – 4:30

Please contact Pat Kelly Lee at 412 519 5409 or PKL@TOOLKITLLC.COM to participate.



NATIONAL ENGINEERS WEEK
FEBRUARY 14-15, 2003
For Information 412.237.3400
CarnegieScienceCenter.org

\$2 OFF general admission to
CARNEGIE SCIENCE CENTER

Receive \$2.00 off General Admission.
Includes Exhibits, Planetarium, Submarine & UPMC SportsWorks.
Limit four (4) per coupon. Tickets subject to availability.
Coupon must be redeemed to receive discount. Valid February 14-15, 2003.

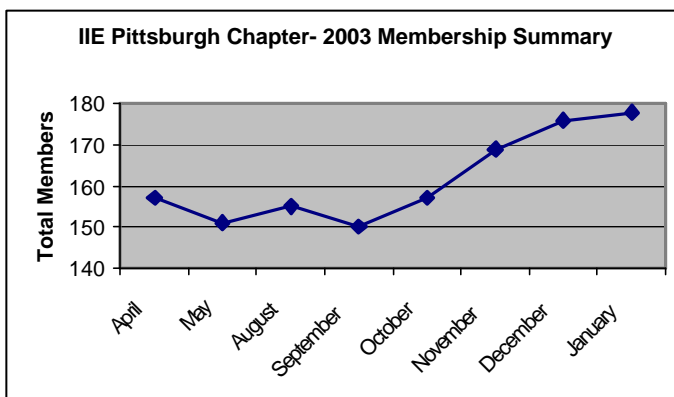
One of the four Carnegie Museums of Pittsburgh

MEMBERSHIP REPORT

The membership committee is committed to improving the number of members joining each month. Since September, membership has increased by nearly 19 percent from 150 to 178 members. IIE National has started a chapter challenge "Recruiting for the Future" campaign designed to increase membership locally and nationally. With your help, we can achieve our goal of 25 new members from October 1, 2002 through March 31, 2003. We currently have recruited 16 new members since the beginning of the chapter challenge. Let's keep up the good work!

The membership total for the Pittsburgh Chapter is at 178 members. The membership activity this month included:

- 6 new members
- 0 transfers in
- 1 transfers out
- 1 reinstated
- 4 dropped



If you know other industrial engineers or people working in an industrial engineering capacity, encourage them to come to one of our upcoming meetings and join IIE. Membership forms are available at IIE's home page <http://www.iienet.org> or you can contact Jeff Arnold at (412) 921-2400 x245.

Note: If your contact information changes (i.e. address, company, phone number, e-mail address), please contact IIE National. Their phone number is (770) 449-0460 or 1-800-494-0460. Once you contact IIE National, your address change should be reflected on our next mailing list, which is received from IIE National each month.

JOB BANK

The purpose of the job bank is to match qualified IIE professionals with available jobs. In the past several years, we have been successful in placing IIE members with employers.

If you or your company are looking for new employees, send a description of the position you wish to fill to the address below. We will publish your position in our monthly newsletter. Please try to limit your descriptions to 50 words or less and include a phone number, address, fax number, and e-mail so interested parties can contact you directly.

Chapter Directors and Officers

POSITION	PERSON	COMPANY	PHONE	EMAIL
Directors	Doug Rabeneck (2nd year)	H. B. Maynard & Co., Inc.	412-921-2400 x 146	drabeneck@hbmaynard.com
	Kim Needy (2nd year)	University of Pittsburgh	412-624-9838	kneedy@engrng.pitt.edu
	Angela Konop (1st year)	FedEx Ground	412-859-2678	angela.konop@fedex.com
	Roman Hlutkowsky (1st year)	FedEx Ground	412-262-6021	roman.hlutkowsky@fedex.com
	Bobbi Ferguson (1st year)	Curtiss-Wright EMD	724-275-5155	bobbi.ferguson@wxemd.com
President	Joe Kikta	Mellon Financial Corp.	412-236-6193	kikta.is@mellon.com
Vice President	Jeff Arnold	H.B. Maynard & Co., Inc.	412-921-2400 x245	jarnold@hbmaynard.com
Secretary	Barb Grabowski	Alcoa	412-553-2229	barbara.grabowski@alcoa.com
Treasurer	Mike Lalle	United Parcel Service	412-921-8069	mlalle@ups.com
Programs Committee Co-Chairs	Jennifer Palmiero	FedEx Ground	412-859-2836	jennifer.palmiero@fedex.com
	Suzanne Moses	FedEx Ground		suzanne.moses@fedex.com
Programs	Janet Whipkey	FedEx Ground		janet.whipkey@fedex.com
	Dennis VanOoyen	FedEx Ground		DennisVanOoyen@fedex.com
	Karen Bursic	University of Pittsburgh	412-624-9837	kbursic@engrng.pitt.edu
Membership Chair	Mike Harris	FedEx Ground		meharris@fedex.com
Membership	Doug Childers	Universal Electric Corp.	412-221-4400	DFC@uecorp.com
Student Relations Chair	Bryan Norman	University of Pittsburgh	412-624-9841	banorman@engrng.pitt.edu
Communications Committee Chair	Greg Smith	H. B. Maynard & Co., Inc.	412-921-2400 x 103	gsmith@hbmaynard.com
Communications	Cindy Tuell	H. B. Maynard & Co., Inc.	412-921-2400 x 126	ctuell@hbmaynard.com
Web Master	Jav Raigopal	University of Pittsburgh	412-624-9840	raigopal@engrng.pitt.edu
Community Affairs Chair	Pat Kelly Lee	Executive Toolkit	412-519-5409	pkires@aol.com

NEXT MONTH'S MEETING

We are planning a tour of the Pittsburgh Tribune-Review's printing facility in Warrendale. This plant prints the Pittsburgh edition of the Trib as well as the USA Today for the local area. Details regarding date and time to follow.



**INSTITUTE OF
INDUSTRIAL ENGINEERS**

**Pittsburgh Chapter
Area I, District 5
Number 3**



Eight Parkway Center
Suite 400
Pittsburgh, PA 15220

Pittsburgh Chapter IIE Website – www.ie.pitt.edu/IIE

National IIE Website – www.iienet.org



2003 Schedule of Events

January 15	Address by IIE National President
February 18	Tour of the Carnegie Science Center & Omnimax Theater
March	Tribune-Review Tour