

The Pittsburgh Sampler

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

MARCH 2003

www.ie.pitt.edu/IIE/



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IIE MARCH MEETING

What: Pittsburgh Tribune Review Newsworks Printing Facility Tour

When: Thursday, March 27, 2003

Where: 535 Keystone Drive
Thorn Hill Industrial Park
Warrendale, PA

Time: 6:30 PM

Cost: \$5.00 for members; \$10.00 for non-members

Dinner: Dinner will be held at a nearby restaurant -- we will order off the menu

RSVP: Please email Suzanne Moses at Suzanne.moses@fedex.com no later than Friday March 21st.



REMEMBER: YOUR RESERVATION IS YOUR COMMITMENT !!!

PRESIDENT'S MESSAGE

Well, spring is finally within sight. It's time to get out of your tired winter routine and get active. Now... there are many things you can do... You can spend more time at work, spend more time with your friends/family, or spend more time with your fellow IE's... Well?

Your IIE Chapter is Growing!!! There are many of us you haven't met...

We're up to 180 members! The chapter has grown steadily over the past several months. And we haven't even had to resort to threats to get new members (but we will if we have to). So don't try to quit the chapter, or you'll get a "call" from Mike Harris or Doug Childers. It won't be pretty.

February great... (except for the massive snowstorm)

The February program was great... Our tour "behind the scenes" at the Carnegie Science Center was fascinating. If you didn't attend, you missed a great evening.

Engineer's Week activities at the Carnegie Science Center were a blast. Attendance was high, and the weather wasn't bad (fortunately things wrapped up before "The Storm"). Thanks to our members and University of Pittsburgh students for manning the IIE booth.

And then the snow came.

Now... You Need to Come to the March Program!

It just keeps getting better... Another great program this month—a tour of the Tribune Review Newsworks Printing Facility. If you miss it, you'll regret it for months.

There are many of you that we don't see regularly... what's it going to take to get you to a program? Call and tell us. We'll do anything... We're thinking of having a bobblehead giveaway (famous IE's?)... or maybe a fireworks night?

Hope to see you.

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

MARCH 2003 PROGRAM

The March program will be a tour of the Pittsburgh Tribune Review Newsworks Printing Facility. This tour will be a fun and exciting way to learn about what machinery and processes are required in printing one of the most popular newspapers in Pittsburgh. It will be held on Thursday, March 27th at 6:30 PM.

The cost of the tour will be \$5.00 for members and \$10.00 for non-members. Also please join your fellow IIE members after the tour at a nearby restaurant (we will order off of the menu).

Please reply to Suzanne Moses via email at Suzanne.moses@fedex.com no later than Friday March 21st.

Directions:

Follow 79 North to exit 23 Warrendale/Thornhill Industrial Park. Follow ramp to stop sign. Make left at stop sign on to Warrendale Bayne Rd (no sign). Go underneath 79 overpass and make first right on to Brush Creek Rd. Follow Brush Creek Rd out to Thornhill Rd. At intersection of Brush Creek Rd and Thornhill Rd, make left on to Thornhill Rd. Follow Thornhill Rd to first light. Make a left on to Keystone Dr. Come up Keystone Dr and on the left hand side is the Pittsburgh Tribune Review. The address is 535 Keystone Dr. There is a sign out front that reads Tribune-Review Newsworks.

If you are coming from another direction, please contact Suzanne via email for additional directions.



DEVELOPMENT OPPORTUNITIES

HELP NEEDED:

Survey for Revision of Industrial Engineering P.E. Examination

The Professional Engineering exam in Industrial Engineering is in the process of being updated to better reflect the professional activities practiced today. Your help is vital if this task is to be successful so that the new exam accurately reflects the current demands on industrial engineers. If you are an industrial engineer or a person who practices industrial engineering, we hope you will take the survey. It can be accessed at <http://www.websurveyor.com/chauncey/g10> and will take about 15-20 minutes to complete. The results will form the basis upon which the new exam is built, so **your input is**

very important. While it is especially important to hear from you if you are a registered PE, the survey is not limited to registered PE's; rather, we seek input from the breadth of practice. So if you consider yourself an IE we would like to include your experience and opinions.

When you access the web site, there are instructions on what to do and a telephone number if you have questions concerning the on-line survey. If you have general questions about the update to the PE exam, please e-mail Bill Ferrell at fwillia@ces.clemson.edu or contact Jay Rajgopal at 412-624-9840 or via e-mail at rajgopal@pitt.edu.

Thanks in advance for helping us with this important task!



CAR REPORT

By Jeff Arnold – VP, IIE Pittsburgh Chapter

Well, the Chapter Activity Report (C.A.R.) for 2002 has been compiled and submitted and the result: SILVER!

Thanks to everyone's hard work, our chapter achieved the silver status once again. In the last newsletter I provided an update on each section of the C.A.R. In this newsletter I thought I would give you a summary of how we scored in 2002. As you recall, the intent of the C.A.R. 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. Here's a quick summary of each area of the C.A.R. along with our chapter's 2002 points results shown by (our points / possible points):

Basic Requirements

- Number of communications to each member: 9
- Number of general meetings for all members: 8
- Number of officer planning meetings: 4

The section also includes basic requirements for chapter management plans, IRS tax filing for IIE, officers being IIE members, etc. For each of these areas our chapter met the requirements.

1.) Chapter Plans & Operations (Score: 14/15)

- Timely submission of a strategic plan (4/4)
- Quality of the plan (5/5)
- Number of board meetings (5/6)

2.) Chapter Programs (Score: 13/20)

- Number of programs (6/6)
- Program quality (4/6)
- Program attendance – Members (3/5)
- Program attendance – Non-members (0/3)



3.) Membership Communications, Growth, and Retention (Score: 22/25)

- Communication with members
 - i. Newsletter (5/5)
 - ii. Other Communications (5/5)
- Membership growth and retention
 - i. Membership Growth (5/5)
 - ii. First year member growth (2/2)
 - iii. Retention/recruitment activities (5/8)

4.) Student Outreach Activities and Community Affairs (Score: 12/20)

- Community Affairs participation (4/5)
- Student outreach activities
 - i. University regional conference support (3/5)
 - ii. Other student outreach (5/5)
 - iii. Scholarship support (0/5)

5.) Member/Chapter and Institute Service & Support (Score: 12/20)

- Member/Chapter support (6/10)
- Institute support (6/10)

The overall C.A.R. results for our chapter were 73/100 -- this is more than 15% improvement from last year's C.A.R. score! Thanks again to everyone for helping our chapter achieve SILVER status. The team is currently working on plans in each of these areas to improve our chapter even more.

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

RECAP OF LAST MONTH'S MEETING

February's program was a "behind the scenes" tour of the Carnegie Science Center and Omnimax Theater. There were two separate tours held. The first tour was of the Omnimax Theater. Before we got to go behind the dome, we were able to go into the room in which all of their equipment was held. In the equipment room there were a couple of different projectors. One was their very first projector, which was a 1991 Mark Projector. This specific kind was not able to play films back to back or films longer than 1 hour. Therefore the audience would have to wait 20 minutes for the first reel of film to rewind and at least 10 minutes for the second to be set up. The second projector that they had was the QTRU, Quick Turn Reel Unit, which was able to play back-to-back films. This projector was bought specifically so it could handle the Star Wars film, which was longer than 1 hour. Both of these projectors go up about 2 ½ stories to reach the screen.

The reels of film actually get sent to the Omnimax in sections and are spliced together. The film would be too large and heavy to be sent fully assembled. A fun fact that we learned was that the reel of film for Star Wars weighed about 300 pounds and was over 7.1 miles long! Also the lamps for the projectors cost roughly \$6,000 and need to be changed four times a year.

After the tour of the equipment room we were able to see what is behind the 4-story, 79-foot diameter Omnimax screen. Behind the dome is where the preventative maintenance occurs, including screen cleaning. From behind the dome you can actually see the theater because of all the holes in the screen. There are so many holes in the screen that the audience really only sees about 88% of the image, the rest is filtered through the holes.

After the tour of the theater, we went over to the Sports Works where the storage garage for the Science Center is located. We were able to see the demos of some of the exhibits that are currently in the Science Center and ones that were taken out. Our tour guide explained to us how safety is one of the most time consuming parts of building an exhibit. He demonstrated the different ways people could hurt themselves on the displays, which could be easily overlooked by the designer. We also toured where the employees work and design the upcoming exhibits. The next exhibit is going to be an Aerospace and Astronomy exhibit coming out in 2005. We learned that it costs roughly \$15,000 to \$20,000 for just one single part of the exhibit. There were prototypes of the displays that we were able to take a look at and see how they work. Last, but not least, our tour guide took us down to the basement so we could see the actual white rhinoceros shot by Theodore Roosevelt!



A good time was had by all in attendance. It was a fun, educational evening at the Carnegie Science Center.

TREASURER'S REPORT

4/1/02 - 3/31/03

	INCOME	EXPENSES
1. DUES INCOME	\$ 800.50	XXX
2. INTEREST INCOME	20.77	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 PAID	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 MEETINGS	XXX	-
15. CHAPTER OPERATIONS SUPPLIES	XXX	56.00
16. MISCELLANEOUS (C)	XXX	-
17. TOTAL	<u>\$ 6,857.52</u>	<u>\$ 6,207.20</u>
ENTER: 18. NET WORTH 4/01/02		\$ 5,491.32
ADD 4/01/02-3/31/03 INC.		\$ 6,857.52
SUBTOTAL	\$ 12,348.84	
LESS 4/01/02-3/31/03 EXP.		\$ (6,207.20)
NET WORTH 3/31/03		<u>\$ 6,141.64</u>
19. STATEMENT OF NET WORTH		
ENTER: PETTY CASH ACCT. BAL.	\$ -	
ENTER: CHECKING ACCT. BAL.	\$ 3,417.08	
ENTER: SAVINGS ACCT. BAL.	\$ 2,724.56	
TOTAL *	<u>\$ 6,141.64</u>	

COMMUNITY AFFAIRS

Listed below is the ad as it will appear in the IIE Regional University Conference to be held at Penn State University on March 14 & 15. Our chapter is a sponsor for the conference.



Pittsburgh is a vibrant city and our senior chapter boasts a membership of over 175. Our member companies include H. B. Maynard & Co, Alcoa, US Airways, PNC Bank, Mellon, UPS, FedEx Ground, Rockwell Software, Columbia Gas, ADC, Spear Technologies, and Mine Safety Appliances.

IIE Pittsburgh is actively involved with area educational institutions, and works closely with the student chapter and faculty at the University of Pittsburgh.

For membership or other information, please contact:

Joe Kikta 412.236.6193 kikta.js@mellon.com
Jeff Arnold 412.921.2400 x.245 jarnold@hbmaynard.com

We're looking for new members!

If you're living in or relocating to the Pittsburgh area, we'd love to have you join us. You'll have access to networking/educational opportunities, and a thriving chapter!

Contact us about upcoming events. IIE members, students, and non-members are always welcome - come see what it's all about!



If you know of other opportunities to involve IIE in local or regional networking or educational events, please contact Joe Kikta or Pat Kelly Lee. If you have any program ideas, please contact Jennifer Palmiero or Suzanne Moses.

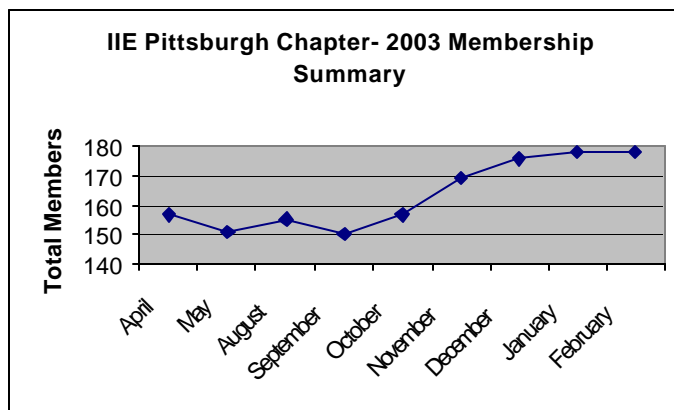
MEMBERSHIP REPORT

For those of you that may not know, the chapter is taking part in a nationwide "Recruiting for the Future" campaign sponsored by IIE national. This campaign is being used to raise membership throughout the nation. The top two chapters in each size category will receive prizes of \$500 and \$300 respectively. The membership committee is confident we can win!

Since October 1, 2002 we have officially recruited 18 new members. Some new members have not been officially added because IIE national posts updates to chapter rosters at the beginning of each month. The Pittsburgh chapter should reach the 25-member goal this month. Let's keep up the good work! Please check out next month's article that will feature biographies from some of our recent additions to the chapter.

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

- 2 new members
- 2 transfers in
- 0 transfers out
- 2 reinstated
- 6 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. Pittsburgh is a vibrant city and our senior chapter boasts a membership of over 175. Our member companies include H. B. Maynard & Co, Alcoa, US Airways, PNC Bank, Mellon, UPS, FedEx Ground, Rockwell Software, Columbia Gas, ADC, Spear Technologies, and Mine Safety Appliances.

IIE Pittsburgh is actively involved with area educational institutions, and works closely with the student chapter and faculty at the University of Pittsburgh.

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 email 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.js@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	Jay Rajgopal	University of Pittsburgh	412-624-9840	rajgopal@engrng.pitt.edu
Community Affairs Chair	Pat Kelly Lee	Executive Toolkit	412-519-5409	pklres@aol.com

NEXT MONTH'S MEETING

Based on a survey of our members last year, it was determined that networking is the number one benefit of belonging to a local chapter of IIE. Because of this, the April meeting will be a "Networking Night".

More details regarding this event will 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 27	Pittsburgh Tribune-Review Newsworks Printing Facility Tour
April	Networking Night