

# The Pittsburgh Sampler

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

MARCH 2002



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## IIE MARCH MEETING

**What:** Westinghouse Waltz Mill Nuclear Facility Tour

**When:** Wednesday, March 27

**Where:** Waltz Mill Road, Madison PA (near New Stanton)

**Time:** Registration: 5:45 pm  
Tour: 6:00 pm – 7:30 pm  
Dinner: 7:30 pm

**Cost:** IIE Members \$3.00 + cost of dinner (we will order off a menu)  
Non-Members \$5.00 + cost of dinner (we will order off a menu)  
Students Free + cost of dinner (we will order off a menu)

**RSVP:** By Friday, March 22, 2002  
to Dara Stock at [dara\\_stock@usairways.com](mailto:dara_stock@usairways.com) or 412-472-7280.

**REMEMBER: YOUR RESERVATION IS YOUR COMMITMENT !!!**

## PRESIDENT'S MESSAGE

If you missed the Pittsburgh Museum of Natural History tour, you missed a great tour! We had good attendance at the first meeting of the year. The processes and techniques used in the paleo-lab are so very tedious and time-consuming. And, the 'bug' storage is pretty amazing.

Congratulations on the Silver Award!!! The Pittsburgh Chapter recently submitted the Chapter Activity Report and was awarded the Silver Award. I'd like to thank Jeff Peretin for coordinating and compiling the information for the report this past year.

The Programs committee is firming up the schedule for the 1<sup>st</sup> half of the year and also working on the schedule for the 2<sup>nd</sup> half of the year. If you work at a company,

or have a contact at a company, that you think would provide an appropriate tour or meeting topic for our IIE group, please feel free to contact me to discuss or contact the programs committee chairperson. Your suggestions and ideas are welcome.

I look forward to seeing you at the March meeting.

Angela Konop  
Pittsburgh IIE Chapter President  
(412) 859-2678

## Waltz Mill Site



Nuclear Services  
Interstate 70, Madison Exit 25B  
Madison, PA 15663

Center of Excellence for field service technology, steam generator services, plant services, training, replacement steam generator engineering and project management.

## MARCH 2002 PROGRAM

### Westinghouse Waltz Mill Nuclear Facility Tour

Wednesday, March 27, 2002

Previously the site of one of the world's first commercial nuclear test reactors, Waltz Mill presently quarters more than 500 engineers, technicians, and service support personnel for Field Services. It is the Westinghouse Center of Excellence for service technology, steam generator services, reactor systems services, outage management support and training. We will tour the facilities which house full-size mock-ups of steam generators and fuel assemblies, a reactor coolant pump and motor, a reactor vessel head, refueling bridge and transfer system, and a control room simulator. These facilities prepare personnel to service and operate nuclear power plants safely and efficiently. Radiological equipment, maintenance, and storage facilities are also housed at the Waltz Mill Site. It is situated on 850 acres of land near Madison, PA, approximately 30 miles Southeast of Pittsburgh.

Westinghouse Field Services offers complete outage support, advanced products, nuclear power plant component

services, and training. The organization is a technological leader in the nuclear industry, having led the way with developments such as robotics and remotely operated tooling and advanced non-destructive examination, inspection, maintenance, and repair equipment. They perform steam generator and reactor component inspection, maintenance, cleaning, and repair for pressurized water reactors worldwide, and field and engineering services to Magnox (British) plants and boiling water reactors.

Our group will be met by the tour guides at the guard station.

*Directions from Downtown:* Take Route 376 East toward Monroeville to the PA Turnpike (Route 76). Take the PA Turnpike (Route 76) East (follow the Harrisburg and East signs) to Exit 75, New Stanton. Take Route 70 West (follow Greensburg/Wheeling, WV sign) for 3 miles to the Madison exit (54). Turn left onto Borough Line Road. Turn right onto Waltz Mill Road. Take the first right into the Waltz Mill parking lot. (It takes approximately 25 minutes from Monroeville.)

## MEMBERSHIP REPORT

The membership total for the Pittsburgh Chapter is 156 members.

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 can be accessed from the Pittsburgh Chapter IIE website  
<http://www.ie.pitt.edu/IIE/member.html>.

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.

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## CAR REPORT

by Joe Kikta - VP, IIE Pittsburgh Chapter

As was discussed in this space last month, our best guide for improving the chapter and an excellent means of measuring progress is the Chapter Activity Report (CAR). In mid-February, Jeff Peretin (our 2001 VP) submitted our CAR for 2001. The results are shown below, along with some editorial comments.

### 1.0 Chapter Plan and Operations -- score: 13 points (15 possible)

Our score was based on our submitted chapter plan (timeliness and quality), as well as the number of board meetings held.

### 2.0 Chapter Programs – score: 16 points (20 possible)

- achieved 6 points (out of 6) because we had 9 monthly programs in 2001
- achieved 5 points (out of 5) because our attendees rated the programs of “high quality”
- **achieved 2 points (out of 5) because our average program attendance dropped from 23.2/program in 2000 to 17.9/program in 2001 (only 10.9% of our total membership attended each monthly program)**
- achieved 3 points (out of 3) because we attracted more non-members to our meetings (18.8/program in 2001, vs. 18.6/program in 2000)

*To improve our chapter, we need to attract more members to our programs.*

### 3.0 Membership Communications, Growth, and Retention – score: 14 points (25 possible)

- achieved 5 points (out of 5) because of the quality/frequency of our newsletter
- achieved 5 points (out of 5) because we use email, have a website, and other means of communicating with our members
- **achieved 0 points for membership growth and First-Year Member growth (out of 7), because we lost members (from 170 in Dec 2000 to 157 in Dec 2001)**
- achieved 4 points (out of 8) for our recruitment activities

*To improve our chapter, we need to attract more new members and retain current members.*

### 4.0 Student Outreach and Community Affairs – score: 12 points (20 possible)

- Our chapter has made a concerted effort to work closely with the University of Pittsburgh various community activities, including Engineers' Week, regional conferences, and other functions.
- We lost points, however, because we do not offer education scholarships

*To improve, our chapter must offer/participate in additional student and community outreach.*

### 5.0 Member / Chapter / Institute Support – score: 8 points (20 possible)

- Our score in this area was impacted because we did not host workshops or seminars, nor did we assist (financially or via chapter improvement activities) other chapters or IIE Foundation.

To improve, we must offer/support additional educational opportunities, and provide more assistance to other chapters and to IIE

Overall CAR Score: 63 out of 100. Tentatively, this would qualify us for a Silver Award

So: our chapter is healthy, but our CAR indicates we have considerable opportunities for improvement.

The chapter leadership has actions planned to address the areas above. You'll hear more regarding these activities in future newsletters, and at our meetings. And we will report to you regularly our progress and efforts.

***But: each individual member can and should contribute to the growth and vitality of the chapter... we want to have the best chapter ever, and we need your help to get there!***

#### ***You can help by:***

- Attending programs
- Hosting a monthly program at your company
- Bringing a guest to a program meeting
- Recruiting new members
- Renewing your own membership
- Making suggestions for community and student activities
- Volunteering for chapter community activities
- Donating to the chapter treasury or to IIE Foundation
- Becoming a chapter officer
- Etc., etc., etc.

***To learn more and get involved, contact [kikta.is@mellon.com](mailto:kikta.is@mellon.com) or any of the chapter leaders.***

## STUDENT CHAPTER NEWS

### Student Chapter Events

The Pittsburgh Student Chapter is busy! They will participate at Pitt in E-Week from March 18 - 22. It has been honored as the best E-Week in the country and involves each department participating against each other in various events (such as Pittopoly and E-Olympics) throughout the week, and will be capped off with an

E-Week ball to be held at the Sheraton downtown.

Last year the IE department here came in 3rd place overall, so we are looking to build upon that this year.

They will also be attending and participating at the IIE Regional Conference at NJIT from April 5 – 7. Pitt

has ten student representatives, one professional representative, and two faculty members attending.

An update from these events will be posted in our upcoming newsletters.

## CHAPTER MEMBERS IN THE NEWS

### Member News

Congratulations are in order for **Dr. Harvey Wolfe**, William Kepler Whiteford Professor of Industrial Engineering at the University of Pittsburgh. Harvey was just elected President-Elect of the Board of Trustees of IIE. This is part of a three-year term in which he will serve as President-Elect, President, and finally

Past-President. Harvey has a rich history of service to IIE. He is an IIE Fellow, Past-President of the Society of Health Systems and just completed his two-year term as Senior Vice President at Large – Academic.



## TREASURER'S REPORT

INSTITUTE OF INDUSTRIAL ENGINEERS CHAPTER IRS REPORT			
4/1/01 - 3/31/02			
CHAPTER NAME: PITTSBURGH		CHAPTER NO. 3	
FEDERAL EMPLOYER I.D. NUMBER: 25-606281		REGION: 5	
	INCOME	EXPENSES	
1. DUES INCOME	\$ 1,505.00	XXX	
2. INTEREST INCOME	55.86	XXX	
3. CONTRIBUTIONS RECEIVED (A)	-	XXX	
4. CONFERENCES (B)	-		
5. MONTHLY MEETINGS	4,167.00		3,425.79
6. NEWSLETTERS (B)	-		
7. MISCELLANEOUS (B)(C)	-		
8. CONTRIBUTIONS AND GRANTS PAID	XXX		583.00
9. PUBLICATIONS/NEWSLETTERS	XXX		1,229.23
10. PROGRAMS/MEETINGS	XXX		52.98
11. STUDENT DEVELOPMENT (E)	XXX		
12. COMMUNITY SERVICES	XXX		
13. MEMBER SERVICES	XXX		
14. OFFICERS & CHAPTER MEETINGS	XXX		107.65
15. CHAPTER OPERATIONS SUPPLIES	XXX		32.00
16. MISCELLANEOUS (C)	XXX		
17. TOTAL	\$ 5,727.86	\$	5,430.65
ENTER: 18. NET WORTH 4/01/01		\$	4,722.82
ADD 4/01/01-3/31/02 INCOME		\$	5,727.86
SUBTOTAL	\$ 10,450.68		
LESS 4/01/01-3/31/02 EXPENSES		\$	(5,430.65)
NET WORTH 3/31/02		\$	5,020.03
19. STATEMENT OF NET WORTH			
ENTER: PETTY CASH ACCOUNT BALAN	\$		-
ENTER: CHECKING ACCOUNT BALANC	\$		2,943.76
ENTER: SAVINGS ACCOUNT BALANCE	\$		2,641.28
TOTAL *	\$		5,585.04

## RECAP OF LAST MONTH'S MEETING-

### Pittsburgh Museum of Natural History

The Feb. 21st IIE meeting was a behind the scenes tour of the Paleo Lab and Entomology Lab at the Carnegie Museum of Natural History. This tour was a 'once in a lifetime' opportunity to see why paleontology and entomology can be interesting and enjoyable even to Industrial Engineers.

The Entomology Lab, better known as the BUGS! Display, is the only display at the museum with living creatures. At the display, we saw "leaf cutting" ants at work, chewing up leaves and making mushrooms and some beetles who clean up (eat) "roadkill", thus playing an important role in the eco-system. Chen, a scientist who specializes in crane flies, also took us back in the lab. We saw some very big and very small beetles and butterflies all labeled and perfectly lined up in the storage cases. They recently installed a new storage system allowing them to expand their storage from 3,000 cases to 9,000 cases; this new storage system is like what you see at some libraries

where the shelves stand side by side and have a wheel to turn to make an aisle. This is a *world-renowned* bug collection (14 million prepared and unprepared) – the scientists go all over the world to collect the insects and exchange their collections with other scientists around the world for study.

The Paleo Lab just opened in November. Yvonne, a paleontologist, showed us the projects that were going on in the lab including recovering some parts of a 9 million year old rhinoceros from Kansas and 150 million year old Camasaurus excavated back in 1909 from what is now the Dinosaur National Monument. New equipment allows for paleontologists to look at material such as dinosaur ribs that would have been overlooked 50 years ago because of material quality. We saw just how fragile the bones are as they are recovered from the rocks and how much glue they use to piece the crumbling bones together. Yvonne also described the areas they go to for

finding the bones as VERY REMOTE and thus, bringing in high tech equipment is not possible. The new facility was opened in order to expand their work area so they could take on more projects, and also expose their work to the public for awareness and education.

What the public sees at the museum is really only 10% of what they have in total at the facility – there is a lot more "stuff" behind the scenes of this world class research facility.

### NEXT MONTH'S MEETING

The April program will be a presentation by an Outplacement Specialist who will discuss strategies on how best to prepare for and recover from a change in careers.

## COMMUNITY AFFAIRS

### NATIONAL ENGINEERS WEEK WAS A BIG SUCCESS!

Thanks to the Science Center volunteers for another successful Engineers Week event! The volunteers this year included Jeff Arnold, Jeremy Gracik, Steve Hackett, Megan Hebda, Molly Jelovich, Pat Kelly Lee, Dave Mangano, John Markowicz, Chris Potter and Doug Rabeneck. Special thanks to Steve and Megan for designing and setting up the exercise, and to Dave and Doug for tearing it down and returning the hardware to Maynard. If you were not able to volunteer this year but you have thought about it, please consider volunteering next year. It is a lot of fun!



## MEMBER DEVELOPMENT OPPORTUNITIES

See next page....



**32nd Annual Performance Improvement Conference**  
 Sponsored by the Institute of Industrial Engineers (IIE) - Rochester Chapter 44  
 Wednesday, April 10, 2002 with Plant Tours on Thursday, April 11, 2002  
 RIT Inn and Conference Center - 5257 West Henrietta Road - Henrietta, New York 14467 - (716) 359-1800

***Lean Impact Throughout the Enterprise – www.iich44.org***

**CHAPTER 44**

	<i>Lean Foundations</i>	<i>Lean Luminaries – Success Stories</i>	<i>Supply Chain – E-Commerce</i>	<i>Product Development on the Fast Track</i>
8:00 – 9:30	<i>Lean Enterprise Overview</i> Tony Mangione <i>Delta Stratagem</i>	<i>The Integration of Lean and Six Sigma</i> Patrick Noonan & Jim Pastore <i>Johnson &amp; Johnson</i>	<i>Managing the Extended Enterprise: Time-Based Supply Mgt.</i> Paul Ericksen - <i>John Deere</i>	<i>Commercializing Your Technology</i> Ian Rutherford - <i>Technology Strategies Group (TSG)</i>
9:50 – 11:20	<i>Leadership from the Inside Out: NextGen Lean Leadership</i> Barbara Osterman <i>Human Solutions</i>	<i>Implementing Lean with Empowered Teams</i> Arnold Most - <i>Hudson Valley Tech. Development Center</i>	<i>Cycling the Lean Value Chain at Harley</i> Joe McDermond <i>Harley Davidson</i>	<i>Creating a Culture for Lean Product Dev.</i> Tony Ilacqua, Steve Beyer – <i>AMT - Rand Gee – RG&amp;E</i>
12:15	Luncheon Address: <i>Hover-Davis Business Model</i> John Hover - <i>Hover-Davis</i>			
1:15 – 2:15	<i>Win your War on Waste using Value Stream Mapping!</i> Chris Chapman <i>Center for Excellence in Lean Enterprise</i>	<i>Writing a Lean Chapter at OhmCraft with Double-Digit Gains!</i> Kurt Forman-Greg Hart <i>OhmCraft</i>	<i>Leveraging your Lean Factory</i> Richard Lebovitz <i>Factory Logic Software Inc.</i>	<i>Prod. Dev. w/ Insight from Functional Parameter Diagrams</i> Bill Jewett <i>Heidelberg</i>
2:25 – 3:25	<i>Value Stream Mapping Continued</i>	<i>Kaizen Planning - Key to Lean Success</i> Bill Darrow <i>Eastman Kodak</i>	<i>Comprehensive Supply Chain Support at GM</i> Mark Cassidy <i>Bruckner Supply</i>	<i>Leveraging Human Factors (HF) in the Product Life Cycle</i> Stan Caplan <i>Usability Associates</i>
3:45 – 5:00	<i>Make Workplaces come Alive with 5S and Visual Systems</i> Greg Hart <i>Hart Innovative Solutions, Inc.</i>	<i>LeanSigma<sup>SM</sup> - The Integration of Lean and Six Sigma</i> Bonnie Smith <i>TBM Consulting Group</i>	<i>Measuring Profits and Costs Along the Supply Chain</i> Bob Davis <i>ABC Technologies</i>	<i>Entrepreneurial Savvy Applied to Commercialization</i> Paul Wetenhall - <i>HTR - Lennox Tech Enterprise Ctr.</i>

<p><b>Registration – More Info:</b>  <b>www.iiech44.org</b></p> <p><b>IIE Annual Conference</b>  <b>c/o Rochester Engineering Society</b>  <b>1806 Lyell Avenue</b>  <b>Rochester, NY 14604</b>  <b>Phone: (585) 254-2350 Fax: (585) 254-2237</b></p> <table border="1"> <thead> <tr> <th>Registration Fees</th> <th>Conference</th> <th>Tours -Add</th> </tr> </thead> <tbody> <tr> <td>Non-Member</td> <td>\$195</td> <td>\$95</td> </tr> <tr> <td>IIE Professional Member</td> <td>\$175</td> <td>\$65</td> </tr> <tr> <td>IIE Student Member</td> <td>\$45</td> <td>\$25</td> </tr> </tbody> </table> <p><i>You must be an individual member of IIE to apply member rate. Please call for membership information. IIE members receive \$25 toward membership renewal. Prospective members– please ask about how to reduce the cost of conference attendance or membership.</i></p>	Registration Fees	Conference	Tours -Add	Non-Member	\$195	\$95	IIE Professional Member	\$175	\$65	IIE Student Member	\$45	\$25	<p><i>Name for Badge:</i> _____</p> <p><i>Position</i> _____ <i>Title:</i> _____</p> <p><i>Company:</i> _____</p> <p><i>Address:</i> _____</p> <p><i>City:</i> _____ <i>State:</i> ____ <i>Zip:</i> _____</p> <p><i>Daytime Phone Number:</i> (____) _____</p> <p><i>Fax:</i> _____ <i>Email:</i> _____</p> <p><i>Enclosed: \$ _____ payable: IIE Rochester Conference</i>  <input type="checkbox"/> <i>Check here for Invoice</i>    <input type="checkbox"/> <i>Send Brochure</i></p>
Registration Fees	Conference	Tours -Add											
Non-Member	\$195	\$95											
IIE Professional Member	\$175	\$65											
IIE Student Member	\$45	\$25											

**Thursday April 11: Expanded Tours – Presentation, Tour & Critique: 8 a.m. - 5:30 p.m. Light breakfast and lunch included**

Hosts describe lean journey followed by tour. Participants discuss and critique observations. Hosts may decline participants – competition.

**Morning Tour: Delphi Automotive Systems Plant - Lexington Avenue**

**Afternoon Tour: Ortho-Clinical Diagnostics (OCD), a Johnson & Johnson (J&J) company – Reagent Plant in Kodak Park**

## Chapter Directors and Officers

	COMPANY	PHONE	EMAIL
<b>DIRECTORS</b>			
Pat Kelly Lee (2nd year)	Executive Toolkit	412-519-5406	pklres@aol.com
Holly Rowland (2nd year)		724-693-9118 (h)	hollyr@icubed.com
Roman Hlutkowsky (2nd year)	FedEx Ground	412-262-6021 (w)	roman.hlutkowsky@fedex.com
Doug Rabeneck (1st year)	H. B. Maynard	412-921-2400 x 146 (w)	drabeneck@hbmaynard.com
Kim Needy (1st year)	Univ of Pgh	412-624-9838 (w)	kneedy@engrng.pitt.edu
<b>President</b>			
Angela Konop	FedEx Ground	412-859-2678 (w)	angela.konop@fedex.com
<b>Vice President</b>			
Joe Kikta	Mellon Bank	412-236-6193	kikta.is@mellon.com
<b>Secretary</b>			
Barb Grabowski	Alcoa	412-553-2229 (w)	barbara.grabowski@alcoa.com
<b>Treasurer</b>			
Mark Coffey	UPS	724-925-4772 (h)	mcoffey@ups.com
<b>Programs Committee Chairman</b>			
Dara Stock	USAirways	412-472-7280	dstock@usairways.com
<b>Membership Committee Chairman</b>			
Jeff Arnold	H. B. Maynard	412-921-2400 x245 (w)	jarnold@hbmaynard.com
<b>Community Affairs Chairman</b>			
John Connors	H. B. Maynard	412-921-2400 x 149 (w)	jconnors@hbmaynard.com
<b>Student Relations Chairman</b>			
Mary Besterfield-Sacre	Univ of Pgh	412-624-9836	mbsacre@engrng.pitt.edu
<b>Communications Cmte. Chairman</b>			
Greg Smith	H. B. Maynard	412-921-2400 x 103 (w)	gsmith@hbmaynard.com
<b>Web Master</b>			
Jay Rajgopal	Univ of Pgh	412-624-9840	rajgopal@engrng.pitt.edu

## 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.

## ACCOUNT MANAGER

H. B. Maynard and Company, Inc. is looking to hire qualified sales account managers.

Primary responsibilities include selling Maynard software products, training, and consulting solutions to new prospects or current clients. Will also manage the delivery of all training and guidance assignments sold and assist in managing the delivery of consulting assignments sold. Candidates should have a bachelor's degree in business, industrial engineering or related technical field and a minimum of 3 years of related experience. Excellent verbal and written communications skills, computer literacy, and desire to work in a team-driven environment are required. 40% travel is also required.

Qualified candidates should send resumes to:

Jacki Szymanski  
H. B. Maynard and Company, Inc.  
Eight Parkway Center  
Pittsburgh, PA 15220  
Fax: 412-921-4575  
E-mail: jszymanski@hbmaynard.com

**INSTITUTE OF  
INDUSTRIAL ENGINEERS**

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



Eight Parkway Center  
Suite 400  
Pittsburgh, PA 15220



## 2002 Schedule of Events

January	IIE Pittsburgh Chapter Officers Meeting
February 21	Tour of Pittsburgh Museum of Natural History
March	Westinghouse Waltz Mill Nuclear Facility Tour
April	Outplacement Specialist Presentation
May	TBD