

The Pittsburgh Sampler

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

NOVEMBER 2002

www.ie.pitt.edu/IIE/



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IIE NOVEMBER MEETING

- What:** Tour of Pitt's Swanson Center for Product Innovation
- When:** Tuesday, November 12, 2002
- Where:** Swanson Center for Product Innovation
University of Pittsburgh, School of Engineering
Benedum Hall (corner of Bouquet and O'Hara St.)
- Time:** 5:45 – 7:00 PM
- Cost:** Cost: \$5 IIE Members/Non-IIE Members, University Students: Free
- Dinner:** Fuel and Fuddle, off of Forbes Avenue, Oakland, -- Order off the menu
- RSVP:** Reservations for the tour can be made with Dara Stock via email or telephone -- 412-472-7280 or yackyack75@hotmail.com

REMEMBER: YOUR RESERVATION IS YOUR COMMITMENT !!!

PRESIDENT'S MESSAGE

It's hard to believe that my term of president is nearing its end. It's been a very busy year. I think the chapter has accomplished much during the past few months. We've had some excellent programs, including the student chapter night held on Wednesday, October 23.

There were over 100 senior chapter and student members in attendance at student chapter night. Susan Sinclair of Hershey Foods did an outstanding job. I'm grateful that she was able to participate in our meeting. In addition, we had 2 special guests from West Virginia University's Industrial Engineering program, Shana Telesz and Kate Poknis. I think that communication between the seniors and students is an awesome reciprocal membership benefit. The seniors are able to keep in touch with what's happening at the University and to discuss the current IE curriculum. In addition, it gives the seniors an opportunity to share with the students their experiences in the workforce and in industry. Opening the lines of communication between

the chapters is a great chance for sharing and learning.

I'd like to personally thank everyone who attended and/or sponsored students for this event. And, I'd like to thank Dr. Karen Bursic and Dara Stock for their coordination of the event. Awesome job...

The November meeting at the Swanson Center for Product Innovation will be the last meeting of this calendar year. In December, an organizational and planning meeting will be held with the new officers and committee chairpersons to discuss the 2003 program year.

It's been a pleasure to serve the Pittsburgh chapter again in the capacity of President. I am honored to have been selected for this position; and I hope to continue to contribute to the chapter in other roles for many years to come.

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

NOVEMBER 2002 PROGRAM



The John A. Swanson Center for Product Innovation has been assisting industry and education since 1999. The Center was designed to give industry and entrepreneurs access to the University's state-of-the-art product development technology through the consulting services of our talented students, world-class faculty and dedicated staff members available at the University of Pittsburgh, School of Engineering. While students receive hands-on experience that spans all phases of product development, clients connect with a high quality, one-stop job shop that provides efficient turnaround for: Product design, Rapid prototyping and reverse engineering, Plastic and injection molding applications, MEMS fabrication, and Business development and marketing.

It includes five laboratories housing the latest in product development technologies (Website link: www.engrng.pitt.edu/SCP):

- Design Lab
- Multimedia Lab
- W.M. Keck Rapid Prototyping and Reverse Engineering Lab
- Kresge Rapid Manufacturing Lab
- Micro Electro Mechanical Systems (MEMS) Lab

The tour will be hosted by **Dr. Bopaya Bidanda**, University of Pittsburgh, Industrial Engineering Chairman and **Jim Di Pasquale**, Swanson Center Rapid Prototyping Engineering Manager.

Professor Bidanda joined the Industrial Engineering department in 1987 upon completing his doctoral studies at Pennsylvania

State University. Professor Bidanda is the Co-Director of the Manufacturing Assistance Center at the University of Pittsburgh. He has industrial experience in manufacturing systems, tools, and precision manufacturing. His research focus includes Computer Integrated Manufacturing Systems and Robotic Applications, Time Compression Technologies such as Rapid Prototyping and Reverse Engineering, traditional Industrial Engineering, Automated Data Collection and Shared Manufacturing.

Jim Di Pasquale has both his BS and MS in Industrial Engineering from the University of Pittsburgh. In his role as Engineering Manager, Jim has worked with many entrepreneurs, start-up companies, and existing companies designing and prototyping new products and processes. He has extensive experience with rapid prototyping and reverse engineering technology including stereolithography, fused deposition modeling, and 3-dimensional printing and 3-dimensional scanning.

Driving Directions:

From the South, including Pittsburgh International Airport -- Follow I-79 north to the I-279 North Exit.

Take 279 through the Fort Pitt Tunnels and across the bridge to the I-376 Monroeville Exit (first exit on the right).

Follow I-376 to the Forbes Avenue/Oakland Exit. Forbes Avenue leads into the Pitt campus. Continue down Forbes Avenue to Bigelow Blvd. Make a left onto Bigelow Blvd, then make a left onto O'Hara Street. There are some on-street parking spaces, as well as parking at the O'Hara Street garage, across the street from Benedum Hall.

CHAPTER MEMBERS IN THE NEWS



Upcoming IIE National Elections

Web polls will open on December 17, 2002 to allow for voting for the IIE National officer positions for the fiscal year 2003-2004. One of our own, Dr. Kim LaScola Nedy, will be running for the position of Senior Vice President – Chapter Networking. IIE Solutions plans to publish, in the December issue, the views of all of the candidates on the issues that they will face during their tenure in office. Please don't forget to vote!

CAR REPORT

by Joe Kikta - VP, IIE Pittsburgh Chapter

We are moving toward the last days of the calendar year, and the last days of our Chapter's "reporting" year. I know that many of you are lying awake worrying about the 2002 CAR report. Rest assured, we have it covered.

The Chapter Activity Report will be compiled early in 2003. As we look back from the vantage point of November, it's been a good year to-date for the Pittsburgh Chapter. We've had a string of great programs, with good attendance. Our membership has been stable, and our leadership team has been actively working to improve the chapter.

But we're now focused on "finishing strong"! There are several actions that each of us can take to help the cause. As you've seen explained before in this column, these things will help us improve our CAR "score", but (more importantly) they'll make the chapter better for all of us:

Attend the November meeting (darnit!)

- Spend an evening with your fellow IE's... You've already seen that re-run of Seinfeld anyway.
- It's a diverse group... we're fun and personable (at least some of us are)!

Renew your membership, and encourage fellow IE's to become active in IIE (who else would have you?)

- It's easy to put off, but don't!... renew your membership and keep your connection to your fellow Pittsburgh IE's, and to the profession
- Convince a colleague or friend to join the chapter. If he/she won't listen to reason, it's not uncommon to use threats... or you could offer to pay for their membership out of your own pocket!

Commit to become involved in chapter activities and Leadership (if nothing else, it looks good on the resume)

- You'll get more out of your membership if you are actively involved in the Chapter
- The time commitment is modest, and you'll get to know your fellow members!
- We need your talents (whatever they are!)
- Besides, your family and friends called and asked for us to get you out of the house a bit more.

TREASURER'S REPORT

	<u>INCOME</u>	<u>EXPENSES</u>
1. DUES INCOME	\$ 800.50	XXX
2. INTEREST INCOME	-	XXX
3. CONTRIBUTIONS RECEIVED (A)	-	XXX
4. CONFERENCES (B)	-	-
5. MONTHLY MEETINGS	1,251.00	1,136.04
6. NEWSLETTERS (B)	-	-
7. MISCELLANEOUS (B)(C)	-	-
8. CONTRIBUTIONS AND GRANTS PD.	XXX	350.00
9. PUBLICATIONS/NEWSLETTERS	XXX	737.78
10. PROGRAMS/MEETINGS	XXX	-
11. STUDENT DEVELOPMENT (E)	XXX	-
12. COMMUNITY SERVICES	XXX	-
13. MEMBER SERVICES	XXX	-
14. OFFICERS & CHAPTER MEETINGS	XXX	-
15. CHAPTER OPERATIONS SUPPLIES	XXX	48.00
16. MISCELLANEOUS (C)	XXX	-
17. TOTAL	<u>\$ 2,051.50</u>	<u>\$ 2,271.82</u>

ENTER: 18. NET WORTH 4/01/02	\$ 5,491.32
ADD 4/01/02-3/31/03 INCOME	\$ 2,051.50
SUBTOTAL	\$ 7,542.82
LESS 4/01/02-3/31/03 EXPENSES	<u>\$ (2,271.82)</u>
NET WORTH 3/31/03	<u>\$ 5,271.00</u>

19. STATEMENT OF NET WORTH	
ENTER: PETTY CASH ACCT BAL.	\$ -
ENTER: CHECKING ACCT BAL.	\$ 2,567.21
ENTER: SAVINGS ACCT BAL.	\$ 2,703.79
TOTAL *	<u>\$ 5,271.00</u>



RECAP OF LAST MONTH'S MEETING

This year's IIE Student Chapter/Senior Chapter joint meeting was an outstanding event. With over 100 attendees, the meeting started off with social time for the students and senior chapter members to mingle. The number of students exceeded the number of senior chapter members by far this year!

Before dinner was served, four special awards of recognition went out to IIE Senior Chapter members: Angela Konop (past and current President), Greg Smith (Communications Committee Chairman) and Cindy Tuell (Communications Committee Member) who are the editors of the Senior Chapter newsletter, and Dara Stock (Programs Committee Chairperson). Many thanks were given for their efforts to our chapter and newsletter success.

After dinner was served, the Outstanding Senior Award was presented to TWO students – Kristy Petrosky and Andrew Hutelmyer. This is the first time ever that the award was presented to two students; Dr. Bopaya Bidanda (Chair of the Industrial Engineering Department at the University of

Pittsburgh) commented that it was a really tough decision and the students were equally qualified. Congratulations to Kristy and Andrew!

The highlight of the night was the keynote speaker – Susan Sinclair. Susan is VP of Operations Planning and Optimization at Hershey Foods. She gave a very energetic and interesting presentation, which covered the company's history, some major challenging events for the company over the past year, a description of her departments, and challenges faced by IE's. The company's history & current operations tie very closely to the Milton Hershey School in Hershey, PA and the Hershey Trust Fund. Some challenging events for the company in the past year were aggressive changes implemented by the new CEO, the impacts of the month long strike and finally, the potential sale of the company to Wrigley's over this summer. Susan then described the different departments she manages including their customer base and responsibilities. Lastly, Susan outlined the key challenges facing her department and IE's today. To close out the evening, everyone enjoyed the complimentary Hershey candy.



THANK YOU !!!

The Board of Directors and Officers of the Pittsburgh Chapter would sincerely like to thank everyone who helped to make the 2002 Student Night Event a great success, specifically the sponsors.

There were six companies that agreed to be corporate sponsors this year. Their donations helped underwrite the fixed costs for the event. Executive Toolkit, FedEx Ground, H. B. Maynard and Company, Inc., Mellon Financial Services, Mine Safety Appliances Company and the University of Pittsburgh, Industrial Engineering Department should all be recognized for their support of the chapter.

We would also like to thank the fifty chapter members and guests who sponsored the cost of the dinners for one or more students. Seven deserve special recognition because they agreed to sponsor students even though they themselves could not attend the event. I hope you will join us in thanking Joe Buerk, Matt Gardner, Vince Manno, Mark Moeser, Anita Poage, Tom Rekowski, and Mary Sacre for their support.

COMMUNITY AFFAIRS

University of Pittsburgh
Department of Industrial Engineering
SAINT Program

The *SAINT* (Sponsor An Industrial ENgineering Team) Program selects challenging projects that a team of three to four Industrial Engineering seniors complete during their final semester over a 15-week period as part of their capstone design course requirement. The progress of the project and the IE team is overseen throughout the semester with both a faculty mentor and an industrial sponsor. There are numerous benefits to sponsors such as adding fresh and unbiased resources to their team, costs savings, inventory reductions, improvements in quality, improved productivity, reduced throughput time, and it serves as a great recruitment tool! In addition to all of the valuable consultation, sponsors receive a final technical report that summarizes the project background, methodology, implementation, results, and recommendations. Companies participating in the *SAINT* program contribute between \$3,000-\$5,000 per team to the Industrial Engineering Development Fund in the form of a donation. These contributions are used to improve undergraduate education through investment in the department infrastructure. New projects will be beginning in the Fall 2002. If you would like to learn more about this program, contact Dr. Kim LaScola Needy at 412-624-9838 or at kneedy@engrng.pitt.edu.

Listed below are some of the recently completed projects.

All-Clad Metalcrafters, Inc. – Finishing Line Process Improvement

Allegheny County Airport Authority – Development of a Capital Projects Management System

Ameristeel – Justification for the Purchase of New Machinery

Bombardier Transportation – Analysis of Kitting Methods at Bombardier and their Suppliers

Cycloid Company – Examining the Need for Cycloid's Pump: An Analysis of Attitudes and a Study of Tire Pressure and Temperature Relationships

Eaton | Cutler-Hammer – Design of a Series-C Cell

FedEx Ground – Analysis of Surplus Conveyor Recovery Action Program

Heinz - Redesign of Old Age Inventory Reporting System

Mathews International Corporation, Bronze Division and H. B. Maynard and Company – Designing a Routing System

Mine Safety Appliances - Inventory Management and Work Cell Design at Creative Color Display

US Airways – Analysis and Process Improvements for Baggage Handling

U.S. Steel – Analysis of Mobile Equipment Utilization

Westinghouse EMD - Development of a Fork Truck Management Plan

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.

Industrial Engineer

We are currently recruiting an Industrial Engineer for one of our largest clients, a large engineering and manufacturing company. The position requires an individual with SAP experience. This person will coordinate Bill of Materials and routing. A BS is required along with the SAP experience. This is an immediate need! Please contact us for immediate consideration.

Contact Information:
Chaz Schessler
chaz@synerfac.com
412.630.4650

MEMBERSHIP REPORT

The membership total for the Pittsburgh Chapter is at 156 members. The membership activity this month included:

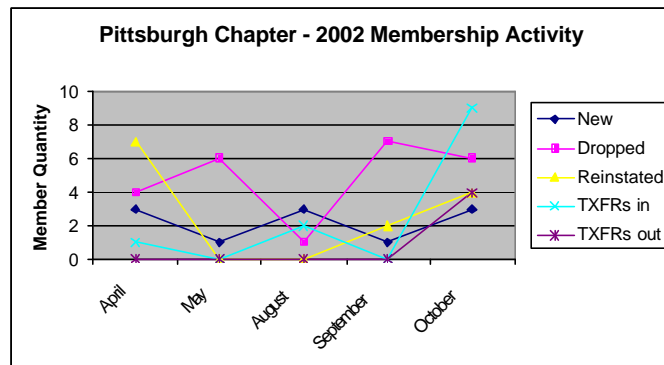
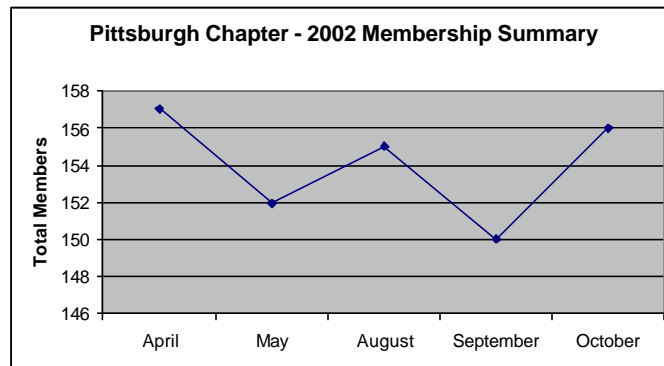
- 3 new members
- 9 transfers in
- 4 transfers out
- 4 reinstated
- 6 dropped

The membership committee would like to extend a warm welcome to our 3 new members:

- Harold Walls
- Kerry Will
- Donna Degenhardt

Welcome to all of our new, reinstated, and transferring members!

The committee's "Look Inside" program is starting to pay off with 3 new members, 9 transfers, and 4 reinstated. We are asking active IIE members to 'look inside' their own organizations for others working in an I.E. capacity who might benefit from membership in our chapter. Details on the survey conducted on student night will be published in the next newsletter. Please see our summary graphs for this month:



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.



Happy Thanksgiving



Chapter Directors and Officers

	COMPANY	PHONE	EMAIL
DIRECTORS			
Pat Kelly Lee (2nd year)	Executive Toolkit	412-519-5406	pklres@aol.com
Holly Hardman (2nd year)	FedEx Ground	412-859-2302 (w)	holly.hardman@fedex.com
Roman Hlutkowsky (2nd year)	FedEx Ground	412-262-6021 (w)	roman.hlutkowsky@fedex.com
Doug Rabeneck (1st year)	H. B. Maynard & Co., Inc.	412-921-2400 x 146 (w)	drabeneck@hbmaynard.com
Kim Needy (1st year)	Univ of Pgh	412-624-9838 (w)	kneedy@engrng.pitt.edu
President			
Angela Konop	FedEx Ground	412-859-2678 (w)	angela.konop@fedex.com
Vice President			
Joe Kikta	Mellon Bank	412-236-6193	kikta.js@mellon.com
Secretary			
Barb Grabowski	Alcoa	412-553-2229 (w)	barbara.grabowski@alcoa.com
Treasurer			
Mike Lalle	UPS	412-921-8069 (w)	mlalle@ups.com
Programs Committee Chairman			
Dara Stock	USAirways	412-472-7280	dstock@usairways.com
Membership Committee Chairman			
Jeff Arnold	H. B. Maynard & Co., Inc.	412-921-2400 x245 (w)	jarnold@hbmaynard.com
Student Relations Chairman			
Mary Besterfield-Sacre	Univ of Pgh	412-624-9836	mbsacre@engrng.pitt.edu
Communications Cmte. Chairman			
Greg Smith	H. B. Maynard & Co., Inc.	412-921-2400 x 103 (w)	gsmith@hbmaynard.com
Web Master			
Jay Rajgopal	Univ of Pgh	412-624-9840	rajgopal@engrng.pitt.edu

NEXT MONTH'S MEETING

The December meeting will be a planning session for the Officers. All Officers are asked to make every attempt to attend. The date and time will be announced at a later date.

STAY TUNED FOR NEXT YEAR'S EVENTS!

**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



2002 Schedule of Events

January	IIE Pittsburgh Chapter Officers Meeting
February 21	Tour of Pittsburgh Museum of Natural History
March 27	Westinghouse Waltz Mill Nuclear Facility Tour
April 16	Tour of USAirways Heavy Maintenance Facility
May 14	Tour of American Eagle Outfitters Warrendale Dist. Center
June 25	Pirates Game Outing
September 19	Lean/JIT Simulation
October 23	Student Chapter Night
November	Tour of Pitt's Swanson Center for Product Innovation Lab
December	IIE Pittsburgh Chapter Officers Meeting