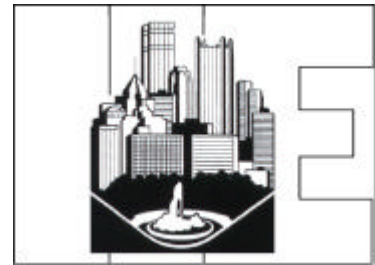


# The Pittsburgh Sampler

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

APRIL 2000



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## IIE MONTHLY MEETING

**WHERE:** UPMC Data Center - UPMC Montefiore  
Darragh Street, Pittsburgh, PA (Oakland)

**WHEN:** Wednesday April 12, 2000

**TIME:** 5:45 - 8:45pm  
(meet in Montefiore lobby (5th Ave entrance) by 5:45)

**DINNER:** Will be announced at the meeting.  
We will meet at a restaurant nearby.

**COST:** Senior members: \$5.00 (tour only), plus dinner cost  
Students: no fee for tour, dinner costs unless  
sponsored

To make reservations, contact Joe Kikta at Mellon Financial at 412-236-6193 or by email to kikta.js@mellon.com by Friday, April 7. Please indicate if you will be attending dinner and if you are interested in sponsoring the cost of a student's dinner.

*Remember, your reservation is your commitment!*



## APRIL PROGRAM REVIEW

Our April meeting will be an interesting visit to UPMC (University of Pittsburgh Medical Center) in Oakland. UPMC is the leading integrated health care delivery system in western Pennsylvania. With over 25,000 employees, it is the largest non-government employer in the region. The UPMC network of facilities includes: UPMC Presbyterian, UPMC Montefiore, UPMC Shadyside, Magee-Women's Hospital, Children's Hospital of Pittsburgh, South Hills Health System, and several others.

Our meeting will be hosted by Sean O'Rourke, Manager of the UPMC Information Technology group and the Radiology Department. Duane Falk of the IT group will lead the tour. We will see a demo of leading-edge imaging technology developed at UPMC and discuss the improved workflow and financial benefits. We will also briefly tour the UPMC Data Center.

Some background on the imaging technology: Traditional approaches for providing Radiology images on-line have involved an "all-or-(almost)nothing" approach, often requiring separate networks and dedicated, expensive workstations. An approach to delivery of image information has been developed at UPMC Health System which uses wavelet representation and dynamic transfer syntax (DTS) to allow full fidelity image delivery across existing Local and Wide Area Network connections to standard Personal Computers.

### Directions:

UPMC Montefiore is located at Darragh Street, off of Fifth Ave, in the Oakland Section of Pittsburgh (on the University of Pittsburgh campus). We will meet in the Montefiore lobby, Fifth Avenue entrance.

#### From Pittsburgh - West

Take I-376 (Parkway) East to Exit 5 (Forbes/Oakland exit). Follow Forbes Ave. to Oakland Ave.; turn left onto Oakland Ave. Proceed one block and turn left onto Fifth Ave. (one-way). Turn right onto Darragh Street.

#### From Pittsburgh - East

Take I-376 (Parkway) West to Exit 7A (Oakland/Bates St. exit). At the first stoplight on Bates St., turn left onto Boulevard of the Allies. Proceed to the first stoplight and turn right onto Halket Street. Proceed to first stoplight and turn right onto Forbes Ave. (one-way). Proceed approximately five blocks and turn left onto Oakland Ave. Proceed one block and turn left onto Fifth Ave. (one-way). Turn right onto Darragh Street.

**PARKING:**

Parking is available in the Liliane Kaufmann Building, next to UPMC Montefiore (at Fifth and Darragh). Parking is also available in Montefiore's main parking lot above the hospital on Darragh Street.

**PRESIDENT'S MESSAGE**

**An excellent opportunity is just a few weeks away!** In May, the National IIE Conference will be held in Cleveland, Ohio. Thousands of our peers from all over the world will attend this event. Hundreds of speakers from both industry and academia will be making presentations, including many of the top minds in industrial engineering. The topics of these presentations will consist of cutting edge techniques, new advances in technology and proven methodologies that are helping companies to be successful.

In the past I have found the IIE conference to be a valuable development opportunity. It provides me both exposure to new ideas and a refresher of many strategies I have seen before and have not used in a long time. Please consider the possible benefit you might receive by attending. **Remember**, Cleveland is only a two-hour drive from Pittsburgh! For specific information please visit the IIE website at [iienet.org](http://iienet.org).



Sincerely,

Doug Rabeneck  
Pittsburgh IIE Chapter President

**MEMBERSHIP STATUS REPORT**

We currently have 181 members in the Pittsburgh Chapter and we would like to welcome the following new members:

- Mr. Kevin Vile, H. B. Maynard and Company, Inc.
- Mr. Andrew Taylor, H. B. Maynard and Company, Inc.

Remember, 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 to join IIE. Membership forms are available from IIE's home page ([www.iienet.org/forms/memapp.htm](http://www.iienet.org/forms/memapp.htm)) or you can contact Bryan Norman at (412) 624-9841.

**CHAPTER NEWSMAKERS**

Bobbi Peck was promoted to Project IE for New Process Development at Mine



Safety Appliances. Congratulations Bobbi!

**STUDENT CHAPTER NEWS**

As the spring semester enters into its final month, the University of Pittsburgh IIE Student Chapter is gearing up for the events that await them. Having just completed Engineers Week at Pitt, the students are alive with the spirit of participation within IIE. Many are anticipating the Northeast Regional Student Conference that will be held at the University of Pittsburgh April 7 - 9.

Others are beginning to prepare for the finals that are approaching at the end of April. Meanwhile, some students are anxious to gain their first experience as they begin their co-op jobs or internships within the field of industrial engineering.

Lastly, the seniors are preparing for what is to come at the end of this month as they organize themselves for graduation and determine what direction they will take as they enter into the real world.

Finally, on behalf of all the faculty, graduate, and undergraduate students involved in the University of Pittsburgh's Student Chapter, we wish all of the seniors the best of luck and good fortune in the years to come.

Sincerely,

Andy Hutelmyer  
University of Pittsburgh IIE Student Chapter President

**JOB BANK**

The purpose of the job bank is to match qualified IIE professionals with available jobs. In the past several years, we have placed 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.

**Part-Time Project Consulting Engineers Needed!**

Do you have the time and energy to do consulting work on a project by project basis? Do you have experience with Process Mapping, Information Technology, Operations, Project Management, Inventory Control or Bar Coding Technology? Do you have a track record for meeting deadlines and working well with others? If so, please forward your qualifications to RES, PO Box 15552, Pittsburgh, PA 15244

or call (412) 655 - 5548 and leave a voice mail message regarding your interest.

IE Degree preferred but not required. This is not a Full Time Position.

## RECAP OF MARCH'S MEETING

# Matthews

...A TRADITION OF QUALITY SINCE 1850



The March program at Matthews International was outstanding! The feedback from everyone who attended was that this was one of the best programs of the year! We owe a huge debt of gratitude to Charlie Krepp, Matthews' Quality Manager, for his time and thorough tour.

Charlie began by describing the company's history. Matthews International was founded in 1850 and is one of Pittsburgh's oldest companies. They are a designer, manufacturer, and marketer of custom-made products that are used to identify people, places, and events. Their products and operations are comprised of three business segments: Bronze, Graphic Imaging and Marking Products. Matthews and its subsidiaries employ approximately 1,600 people worldwide.

The bronze segment, located at the company's headquarters in Pittsburgh, manufactures products used primarily in the cemetery and funeral home industries. The segment's principal products include cast bronze memorials and other products used primarily in cemeteries. Memorial products include flush bronze memorials, flower vases, crypt letters, cremation urns, niche units, community and family mausoleums, granite monuments, and cemetery features (one of their products marks Elvis' gravesite at Graceland). They also manufacture cast bronze and aluminum architectural products for identifying or commemorating people, places, and events.



Charlie walked our group through the entire process from order entry to product distribution. He also described that Matthews has been partnering with H. B. Maynard and Company on a project to improve quality and reduce product throughput time. Impressive gains have been realized in the Photopolymer process by designing a process storyboard and implementing engineered work standards, a 5S

program, and a Kanban based pull system.

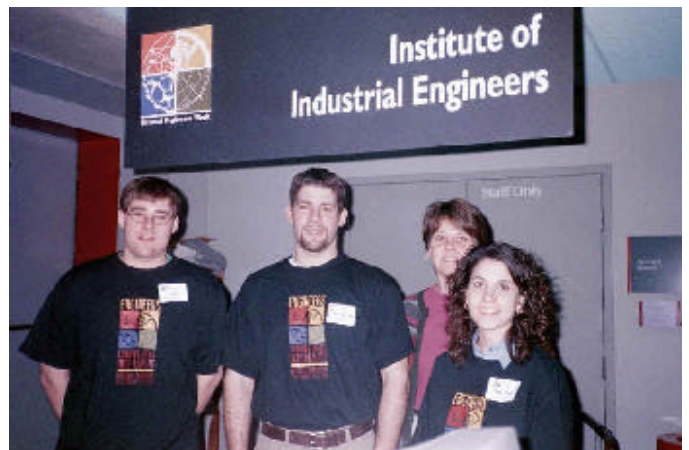
It was exciting to learn how one Pittsburgh company is making impressive improvements by implementing elements of Lean manufacturing. We would like to thank Matthews for their hospitality and also John Connors and Jeff Arnold from Maynard for their help coordinating the program.

## IIE IN THE COMMUNITY

**National Engineers Weekend --  
Friday, February 25, and Saturday, February 26, 2000 at the  
Carnegie Science Center.**



Doug Rabeneck, Pat Kelly Lee and an interested father and son enjoying Engineers week!



Donna Degenhardt with several University of Pittsburgh students!

Thank you to everyone for volunteering. The IIE chapter did a great job again this year.

Bobbi Peck will be the National Engineers Week Board of Directors President in 2001 for Pittsburgh, so she will be counting on everyone's support next year!

**INSTITUTE OF  
INDUSTRIAL ENGINEERS**

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



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**Newsletter**

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**1999 - 2000 SCHEDULE OF EVENTS**

September 21 .....Sand Castle Tour  
October 14..... Univ. of Pittsburgh Student Night  
November 17 ..... ADTRANZ  
December 13 .....Penn Brewery  
January 11 ..... Board/Officer/Cmte. Planning Mtg.  
February 8 .....Tour of US Postal Service Bulk Mail Facility  
February 26 ..... Engineers Weekend @ Science Center  
March 9 ..... Matthews Int'l. Tour  
April ..... UPMC  
May..... To be announced