

The Pittsburgh Sampler

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

APRIL 2002



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IIE APRIL MEETING

What: Tour of US Airways Heavy Maintenance Facility/
Demonstration of E-Pubs

When: Tuesday, April 16, 2002

Where: US Airways, Hangar 3
Hangar Road

Time: Registration 5:30pm
Tour 5:45pm

Dinner: At a nearby restaurant. We will order off the menu.

Cost: IIE Members \$5 + cost of dinner

RSVP: By April 12, 2002

To reserve your spot for this tour and cutting-edge technology display, contact Dara Stock at dstock@usairways.com or 412-472-7280.



REMEMBER: YOUR RESERVATION IS YOUR COMMITMENT !!!

PRESIDENT'S MESSAGE

I'm sorry I was not able to attend the tour of the Westinghouse Waltz Mill Nuclear Facility. It's been a busy couple of weeks due to work commitments and family obligations during the Easter holiday. I hope to see you at the upcoming tour at US Airways.

I would like to congratulate Mike Lalle of UPS for being elected to the position of chapter Treasurer at last month's meeting. Mike will be replacing Mark Coffey. Mark, also of UPS, has accepted a new position within UPS and will not be spending very much time in Pittsburgh. We appreciate all of the work and dedication Mark has given us over the past few years.

Please consider attending the IIE Annual Conference 2002 in Orlando this May, as

well as the Communities Leadership Training prior to the conference. If you need any additional information regarding the conference, visit the IIE national website at <http://www.iienet.org>.

'Your reservation is your commitment' - On a more serious note, if you respond that you will be attending a chapter meeting, your attendance is expected. Last minute cancellations and no-shows cost the local chapter money - in many cases, we may still be liable for your dinner and/or tour costs. Please make every effort to attend -or- cancel your reservation as soon as possible.

Thanks...

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

APRIL 2002 PROGRAM

TOUR OF US AIRWAYS MAINTENANCE OPERATION



Our April meeting will be a tour of the US Airways Maintenance operation. The tour will include heavy maintenance operations, some of the support shops, and a demonstration of the newly implemented E-Pubs system. US Airways has 3 heavy maintenance locations (Pittsburgh, Charlotte, and Tampa) and 28 line maintenance facilities around the country to support its fleet of Airbus and Boeing aircraft.



Pittsburgh's Heavy Maintenance facility is responsible for supporting the Boeing 737 fleet. There are 4 major types of inspection that US Airways uses on a Boeing 737. Our Boeing Maintenance program consists of daily checks as well as letter checks (A,B,C,Q.) The most involved checks are done in the heavy maintenance environment. These checks are exclusively performed in Pittsburgh and are required to verify the structural integrity of the aircraft. A good analogy would be taking your car to a service station, stripping it down to the frame, inspecting for corrosion and structural defects, and repairing or replacing all items as required per manufacturing specifications, and rebuilding the entire automobile.



US Airways E-Pubs is a web-based application that provides employees with on-line access to technical manuals and documents. Using a web-browser, E-Pubs creates a single repository for all technical documentation and allows authors and users to easily search for information in a variety of ways. E-Pubs has been a collaborative effort between US Airways Maintenance, EDS, the software vendors, Properties and Facilities, Corporate IT, and Finance. US Airways was recently awarded the prestigious Best Practices Award for its E-Pubs technology by AIIM International. AIIM International established the Best Practices Award to recognize innovative applications of document management technologies to solve critical business requirements. US Airways and three other recipients were honored during AIIM 2002 Conference and Exposition.

Directions from Downtown:

1. Take Parkway West (I279South) to Business 60/Moon.
2. Follow Business 60 North through 2 stop lights (Beir School Road)
3. At third stop light, Make a LEFT on Hangar Road (US Airways Maintenance)
4. After 2nd stop sign, move into left lane and make LEFT onto next road (Hangar Road continues)
5. Sign in at Hangar 3 guard station.

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>.

The membership total for the Pittsburgh Chapter is 156.

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.

STUDENT CHAPTER NEWS

Student Chapter Events

The Industrial Engineering department participated in Engineer's Week at the University of Pittsburgh from March 18 – March 22. As an engineering school in general, we are quite proud of our E-Week because it was voted the best E-Week in the country last year and we hope it will be again this year. As an IE department we are proud to say that not only did we win E-Week again this

year, but we demolished every other department in the process! We came in first, second, or third place in every event except one. So the IEs are the new E-Week champs for the year. I believe the last time we won was in 1983, so this is quite an accomplishment.

The next event we have planned is the IIE Regional Conference at the New Jersey Institute of

Technology from April 4 - 6. We are sending two faculty representatives and eleven student representatives, so we have quite a group going and should be well represented. We look forward to working with the Senior Chapter on upcoming activities and will keep you informed of events as they are scheduled.

CHAPTER MEMBERS IN THE NEWS

FedEx Ground Names Tech Vice President

Member News

FedEx Ground, a subsidiary of Memphis-based FedEx Corp., has named Roman Hlutkowsky vice president of operations technology. He was most recently a managing director at FedEx Ground. In his new role, Roman will oversee the development, deployment and support of technology and administrative processes in field operations, including FedEx Home Delivery. Founded in 1985, FedEx

Ground is North America's second-largest provider of ground small-package delivery services with annual revenues of \$2.2 billion. Their 36,000 employees and independent contractors service customers and deliver more than 1.7 million packages every business day.

A LITTLE HUMOR!

A man in a hot air balloon realized he was lost. He reduced altitude and spotted a woman below. He descended a bit more and shouted, "Excuse me, can you help me? I promised a friend I would meet him an hour ago, but I don't know where I am."

The woman below replied, "You are in a hot air balloon hovering approximately 30 feet above the ground. You are between 40 and 41 degrees north latitude and between 59 and 60 degrees west longitude."

"You must be an engineer," said the balloonist.

"I am," replied the woman. "How did you know?"

"Well," answered the balloonist, "everything you told me is technically correct, but I have no idea what to make of your information, and the fact is I am still lost. Frankly, you've not been much help so far."

The woman below responded, "You must be in management."

"I am," replied the balloonist, "but how did you know?"

"Well," said the woman, "you don't know where you are or where you are going. You have risen to where you are, due to a large quantity of hot air. You made a promise which you have no idea how to keep, and you expect people beneath you to solve your problems. The fact is you are in exactly the same position you were in before we met, but now, somehow, it's my fault."

RECAP OF LAST MONTH'S MEETING-

Westinghouse Waltz Mill Nuclear Facility Tour

The March 27th meeting was an extremely interesting tour of the Westinghouse Waltz Mill Nuclear Facility in New Stanton.

We began in one of the training rooms where Frank Bursic, Manager, Strategic Services Development, provided some background about Westinghouse and their service center facilities. He described the Waltz Mill site as the "heart of Westinghouse service operations for nuclear power plants." As part of their mission, Westinghouse utilizes these operations to make nuclear energy safer, more competitive and affordable. The facility provides steam generator and reactor services, including refueling and reactor coolant pump and motor services and engineering. It is part of the Nuclear Services Business Unit of Westinghouse.

Mark Jones, Project Manager, Training, then described what we would see in our tour and showed us models of a steam generator, reactor

vessel, and a fuel assembly. Mr. Jones explained how the Waltz Mill facility is used to prepare personnel to service and operate nuclear power plants.

We began the tour in the "C-Bay" which houses the reactor coolant pump and motor and steam generator mock-ups. Frank Delose, Senior I&C Instructor, described the functions of these mock-ups and how they are used to train service personnel. A highlight was seeing and learning about "ROSA", a robotic arm capable of inspecting and repairing steam generators. ROSA minimizes the potential for human exposure to radiation within the steam generator and maximizes maintenance and inspection capabilities. Because of its extensive degrees of flexibility and functionality, ROSA is one of the most sophisticated robots in the world.

Next we toured the "D-Bay" that houses an actual reactor vessel head that we were able to completely view. We even had the unique opportunity

to "crawl" underneath of the vessel head to view it from the inside. The refueling bridge and transfer system, one-quarter section of a reactor, and water tank for training under simulated conditions, allowed us to see how Westinghouse trains operators to inspect and move nuclear fuel. We climbed the numerous steps to get a view from the refueling bridge operator's perspective.

Our evening concluded with a delicious meal at LaTavola restaurant in New Stanton where several participants were overheard saying how much they learned during our tour and how impressed they were with the facility. Thanks to all of our participants and our excellent tour guides!

MEMBER DEVELOPMENT OPPORTUNITIES

Please join us for IIE's Community Leadership Training (CLT) that will be held immediately prior to the Annual Conference, on Saturday, May 18th, from 1:00 - 5:00 PM, and Sunday, May 19th, from 9:00 - 5:00 PM. There are three major goals of the training. First, will be to update everyone on the current status of the Institute after its major reorganization process. Second, will be to familiarize all Community officers with the logistical requirements of community administration.

Third, will be to learn from and network with others to develop and share ideas about membership recruitment, officer development and recruitment, programming, newsletters, and other important community issues. For the first time, the workshop will include topics that apply to both technical and geographic communities (chapters). The workshop features Mark Levin speaking on leadership. For more information on Mark, check out his website at www.baileadership.com.

The workshop is open to all conference attendees and best of all, **it is free!** Speakers from our own Pittsburgh Chapter, Kim LaScola Needy and Pat Kelly Lee, will also be featured in the program. Watch for additional information on the IIE website at www.iienet.org or contact Kim Needy at kneedy@engrng.pitt.edu or 412-624-9838.

Don't miss it!

Chapter Directors and Officers

	COMPANY	PHONE	EMAIL
DIRECTORS			
Pat Kelly Lee (2nd year)	Executive Toolkit	412-519-5406	pkires@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 & 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
Community Affairs Chairman			
John Connors	H. B. Maynard & Co., Inc.	412-921-2400 x 149 (w)	jconnors@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 Raigopal	Univ of Pgh	412-624-9840	raigopal@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, and 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.

NEXT MONTH'S MEETING

Next month's meeting will be held on Tuesday, May 14th, and will be a tour of American Eagle Outfitters' Cranberry Distribution Center. American Eagle Outfitters (AEO) is a specialty retailer of casual apparel, accessories and footwear for men and women. The Cranberry DC is one of two facilities that distributes merchandise to the 554 AEO stores in 47 states and 109 Thriftys/Bluenotes stores in Canada.

**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 27	Westinghouse Waltz Mill Nuclear Facility Tour
April 16	Tour of US Airways Heavy Maintenance Facility
May 14	Tour of American Eagle Outfitters' Cranberry Distribution Center
June	PNC Baseball Park Night