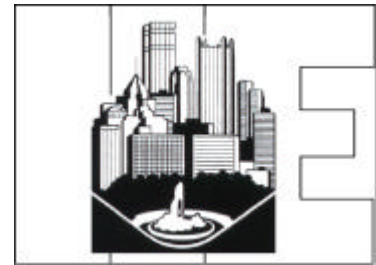


The Pittsburgh Sampler

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

OCTOBER 2000



<i>IN THIS ISSUE...</i>	<i>Page</i>
October Meeting.....	1
President's Message.....	2
Recap of Last Month's Meeting.....	2
Student Chapter News.....	3
Chapter Newsmakers.....	3
IIE In the Community.....	3
The Pittsburgh Job Bank.....	5
Member Development Opportunities.....	6
Membership Status Report.....	6
Next Month's Meeting.....	7
Chapter Directors and Officers.....	7
1999 - 2000 Schedule of Events.....	8

IIE OCTOBER 2000 MEETING

WHAT: IIE Student Night Meeting

WHERE: The Holiday Inn Select, University Center at
100 Lytton Avenue in Oakland

WHEN: Tuesday, October 17th, 2000

TIME: The program this year will begin with a social hour from 6:00 to 7:00 PM with a cash bar and hors d'oeuvres. Dinner will begin at 7:00 PM and will be followed by a panel discussion focusing on entrepreneurship.

DINNER: At the meeting. The three choices are listed in the program description.

COST: The dinner cost for senior chapter members is \$30 and the cost for a senior chapter member to sponsor a student is an additional \$20. Senior chapter members are strongly encouraged to sponsor student members.

RSVP: By Thursday, October 12th

For reservations, call Bryan Norman at 412-624-9841 or e-mail him at banorman@engrng.pitt.edu. When you make your reservation be sure to indicate your meal selection.

REMEMBER: YOUR RESERVATION IS YOUR COMMITMENT!

IIE OCTOBER MEETING PROGRAM REVIEW

The October IIE meeting is a joint meeting of the Pittsburgh Senior Chapter and the Student Chapter at the University of Pittsburgh. It is an opportunity for members from both chapters to get to know each other and enjoy an evening of fine food and discussion

The program this year will begin with a social hour from 6:00 to 7:00 with a cash bar and hors d'oeuvres. Dinner will begin at 7:00 and will be followed by a panel discussion focusing on entrepreneurship. The four panel members are: Tom Emerson, Director of Carnegie Mellon University's Donald H. Jones Center for Entrepreneurship; John Pascasio, President of Pittsburgh-based @VentureWorks; Dennis Pegden, Director of Development, Rockwell Software Inc. (formerly Systems Modeling); and Florri Mendelson, President & CEO, Innovation Works. The panel will be discussing issues relating to starting and running a business, including forming a business plan and strategy, raising venture capital, determining if and when to have a public offering, and operating and maintaining a successful enterprise.

The three menu options for dinner are listed below. Please indicate your menu choice when you make your reservation.

- Charcoal grilled lamb with herbs – Cutlet of lamb, rubbed with garlic and herbs grilled and thinly sliced.
- Chicken Stanley – Chicken breast sautéed with mushrooms and zucchini. Finished in a creamy mustard sauce.
- Stuffed Portobella Mushroom – Stuffed with barley and fresh vegetables and topped with cheddar cheese.

Directions:

From the East: Take PA Turnpike to Exit 6. Follow I-376 West. Take Exit 7A on Bates Street and follow Bates Street to South Bouquet Street. Turn left on to South Bouquet. Follow South Bouquet to Forbes Avenue. Make a right on to Forbes Avenue. Follow Forbes to South Bellefield Street and make a

left on to South Bellefield. Go one block to Fifth Avenue and turn left. Once you are on Fifth Avenue, get into the far right lane and then turn right on to Lytton Avenue.

From the Airport: Take Route 60 South to I-279 North, to Pittsburgh. Go through the Fort Pitt Tunnels. At the end of the tunnels, follow I-376 East. Take Exit 5 and follow Forbes Avenue. Turn left at South Bellefield Avenue. Then turn left on to Fifth Avenue. From Fifth Avenue, make a right on to Lytton Avenue.

From to North: Follow I-79 South to I-279 South. Then follow 579 Crosstown Boulevard (Veteran's Bridge). At the end of the bridge, follow I-376 East. Follow Boulevard of the Allies east. Take Forbes Avenue exit. Then turn left on to South Bellefield Avenue, make a left on to Fifth Avenue. From Fifth Avenue, make a right on to Lytton Avenue.

From the South: Take I-79 North to I-279 North. Go through the Fort Pitt Tunnels. At the end of the tunnels, follow I-376 East. Take Exit 5 and follow Forbes Avenue. Turn left at South Bellefield Avenue. Then turn left on to Fifth Avenue. From Fifth Avenue, make a right on to Lytton Avenue. Parking is available at the hotel.

RECAP OF SEPTEMBER'S MEETING

The chapter meeting for last month was a "Behind the Scenes" tour of the Pittsburgh Zoo. This meeting was a lot of fun! Over 20 senior chapter, student chapter and chapter guests attended. It was really interesting to see the workings of the zoo (especially the new Aquarium). I can hardly wait until the sharks are in their new tank... Dinner was held after the tour in the zoo's Education Center. Thanks to the great work by the Programs Committee in organizing this great event!



PRESIDENT'S MESSAGE

It was great that so many members were able to attend the September program, a terrific "Behind the Scenes" tour of the Pittsburgh Zoo. It is always very interesting to learn more about a great local resource like the Zoo. The event went off without a hitch, and luckily no one bumped into any of my relatives during the tour (I assume their cages were locked).

This month's program is our annual Student Night meeting, which is coordinated by both the IIE Chapter and the University of Pittsburgh's Industrial Engineering Department. The primary purpose of this event is to recognize all the undergraduate IE students and specifically award one individual the designation of "Outstanding Senior". This meeting also enables potential employers the opportunity to network with students who are due to graduate in December or May of next year. It also provides students who are interested in internships and co-operative education opportunities the chance to meet with senior chapter members representing many of Western Pennsylvania's top companies.

This year's program will feature an Entrepreneurial Panel Discussion led by several individuals familiar with the challenges of funding and starting new business enterprises. This unique group will share their experiences and be prepared to answer questions. I hope you will join us for the meeting, and I encourage you to consider sponsoring a student. This is the perfect opportunity to demonstrate the value of IIE to potential future members.

Sincerely,

Doug Rabeneck
Pittsburgh IIE Chapter President



Happy Fall !!!

STUDENT CHAPTER NEWS

As the fall semester begins at the University of Pittsburgh, the expectations for this semester's I.I.E. are high. Along with these expectations, I would like to announce a few changes that have occurred within the I.I.E student chapter board. A new president and secretary have been elected to fill vacancies in these positions that arose from current I.I.E. members fulfilling internships and co-op terms.

The members of the student chapter welcome the new president of the student chapter at the University of Pittsburgh, Michael Abraham, and the new secretary, Gina Shiban, to the board. Both students are anxious to get involved in the proceedings and activities of I.I.E. student chapter.

With all the new additions to the I.I.E. student chapter, many ideas have come to light. Currently, the student chapter at the University of Pittsburgh is working on a t-shirt contest. Involving the students of I.I.E. seminar, the goal of this contest will be to come up with an I.I.E. design for upcoming purchase and sale of t-shirts. Once the t-shirts have been made, we plan to have an official day for those who have purchased the I.I.E. t-shirts to come together and project their I.I.E. pride by wearing them as a whole; students, alumni, and faculty alike.

Also, an idea has been brought up for an outing, consisting of the student and senior chapters of I.I.E. It has been proposed that the two chapters commune for a Pitt Panther home football game later this season. The date has not been determined, so I will keep you updated with any news that concerns this event.

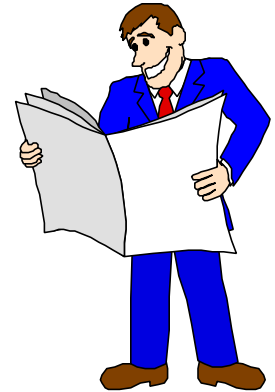
Finally, the members of the student chapter also hope to come together with another local chapter to promote I.I.E. unity. The event has not been confirmed, but hopes of teaming with the student chapter of Penn State have been considered.

If anyone has any questions, or an idea for the student board, feel free to contact Mike Abraham at mfast13@hotmail.com. We look forward to being a very active chapter of I.I.E., as well as cementing a closer relationship with our senior chapter.

Mike Abraham
University of Pittsburgh IIE Student Chapter President

CHAPTER NEWSMAKERS


The Pittsburgh IIE chapter would like to congratulate Jeff and Melissa Peretin on the birth of their daughter, Vanessa Marie Peretin on September 26. Vanessa came out at a "whopping" (according to her father's description) 7 lbs. 8 ounces and 19 inches. Both mother and daughter are doing great. Congratulations!



IIE IN THE COMMUNITY

IIE CALL FOR PRESENTATIONS

The IIE Annual Conference, May 20-23, 2001, is the only industry event that caters exclusively to industrial engineers and professionals responsible for productivity and quality improvement. Step into the spotlight as a featured presenter, and showcase your knowledge and talents.

Combining the best of industry and academia, the conference program features forums for Solutions 2001 and Research 2001. We ask that you review the presentation themes as  you formulate your proposal: <<http://www.iienet.org/annual2001.htm>>.

Benefits

- Share your ideas, research, and solutions with an influential audience of industry leaders.
- Increase your visibility and position within the industrial engineering community.
- Serve the IE profession.
- Promote industrial engineering.
- Add to your professional toolbox of skills by creating and delivering an informative and thought-provoking presentation.

Important Dates

- Submission Deadline: October 13
Conference: May 20-23, 2001 - Dallas

Questions

Send an e-mail to IIE Conference Manager, Katherine Prescott, kprescott@iienet.org, or call 800-494-0460 (770-449-0460).

Volunteers are needed for the planning committee for National Engineers week. The meetings are scheduled for 3:00 - 4:30 pm on Tuesdays, Sept. 12, Oct. 10, Nov. 14, Jan. 9, Feb. 6, Apr. 24. Contact Bobbi Peck at 724-776-7833 or Bobbi.Peck@msanet.com for more information.

SWE is sponsoring the following community events and looking for volunteers.

- Feb. 2001 PA Jr. Academy of Science
- Feb. 2001 MathCounts
- Mar. 2001 Pgh. Regional Science and Engr. Fair
- Apr. 2001 Expand your horizons
- May/Jun. 2001 Certificate of merit Awards

Any IIE member who would like to participate should call Alka Patel at 412-220-1849 or email at alka.patel@indsys.ge.com.

SME and the Heinz Endowments have brought the Student Robotic Challenge to Robert Morris college. To volunteer to be a judge, contact Kathy Carter at 313-271-1500 X1704. The competition will be on April 7-8 and pictures and get information from last year can be seen at www.sme.org under Education/Careers and look for Contests.

The Bayer/NSF Award for Community Innovation needs judges for February. This requires the reading of 20 written reports and evaluation of the details of the prototypes (often shown on a video tape). For more information, go to www.nsf.gov/bayer-nsf-award.htm or phone 1-800-291-6020. A stipend is paid for this activity.

VOLUNTEERS NEEDED FOR THE FUTURE CITY COMPETITION

The Engineer's Society of Western Pa. (ESWP) in conjunction with the Carnegie Science Center will present the 2nd Annual Future City Competition in the Pittsburgh area. The Future City Competition, asks middle school students to create -- first on computer and then in large, three-dimensional models -- their visions of the city of tomorrow. The Pittsburgh Regional Competition will be held at the Carnegie Science Center, on Saturday, January 20, 2001. The Future City Competition is a national program sponsored by the engineering community to promote technological literacy and engineering to middle school students. The Future City Competition in the Pittsburgh Region is planned to include school districts from Allegheny and the immediate surrounding counties. Students can experience a fun way to learn about

engineering and cities of the future. Through the program a student will:

- Work as a team under the guidance of a teacher and an engineer.
- Apply their knowledge to real world situations.
- See firsthand how engineers turn ideas into reality.
- Use a popular award-winning computer game, SimCity 2000 to design their future city.
- Build a scale model of a section of their city.
- Utilize their communications skills by preparing an abstract, two essays and a verbal presentation relating their experience in the design of their city and some specific engineering features.

Each volunteer engineer mentor works with seventh- and eighth-graders, in a team of three, and their teacher, helping to guide the youngsters through the rigors of building a functioning city. Engineers generally have to devote up to 10 hours per month to the project over the period from October to January. Mentors will work with a team of (3) students and a teacher in developing a city of the future on the SimCity computer program, building a model of one portion of the city and helping them to prepare a presentation of their city to a team of judges at the Regional competition in January. As a judge, you will be part of a four member panel who will evaluate the team's verbal presentation and the models of the cities. The judging will take place during the competition at the Carnegie Science Center on Saturday, January 15, 2000.

Regional first place teams (including the engineer mentor) receive a free trip to Washington, D.C. for the national finals during National Engineers Week. Prizes are awarded to the top five teams. Additionally, there are a number of Special Awards that will be presented.

For more information on volunteering as an engineer mentor for the 2000 Future City Competition, please contact Andrew Taylor, 412.921.2400 x. 110.

Have a Good & Safe Halloween !



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.

Industrial Engineer

This position reports to the Senior Industrial Engineer and the primary responsibilities include, but are not limited to:

- Study individual and group jobs to determine the most efficient method of performing the job.
- Recommend rearrangement of workstations and production lines and modifications in equipment and materials for improved plant performance (process changes).
- Prepare capital appropriation justifications (CAR's).
- Assist in the development of cost budgeting by applying work performance standards to sales forecasts, costing material requirements, and determining optimum manpower required to meet schedules.
- Maintain and update current model process sheets.
- Assist in developing processes and Bill of Materials for new models.
- Coordinate efforts to improve work station ergonomics.
- Address Safety concerns by coordinating solutions with responsible departments.
- Participate in Kaizen activities.
- Complete tasks assigned by Senior Industrial Engineer.

Education Preferred:

- Bachelor degree in Industrial, Manufacturing or Mechanical Engineering or equivalent.
- Certified in Maynard Operations Sequence Techniques (MOST).

Experience Required:

- Three years of Industrial Engineering experience.
- Knowledge of production reporting systems, plant and machine layout, and material flow.

Setex has an awesome wage and benefit package; many benefits begin on your first day of work! Setex a joint-venture business between Johnson Controls and Tachi-S and a first tier JIT automotive supplier to Honda is looking for an ambitious individual that needs a challenging, team environment for the following position:

If you are interested and meet the qualifications, please forward your resume to:

HR Supervisor
Setex Inc.
1111 McKinley Road
St. Marys, OH 45885
douglas.a.blake@jci.com

Senior Industrial Engineer

Department: Disposables Mfg Engineering
Hiring Manager: Mohan Budidha 412 767-2400 x3243

Resumes should be sent to either:

Mohan Budidha or Human Resources, Attn:Denise Radocaj
Medrad Inc.
One Medrad Drive
Indianola, PA 15051-0780

Purpose of Position:

The purpose of the position is to recommend and implement solutions that will optimize throughput, quality and cost. The position will be responsible for performing time studies, conducting methods/process analysis to accurately predict the throughput, and improving work areas. Gathering relevant data, constructing accurate models/programs, cost reduction and change justification are some of the major challenges facing this position. Process improvements, trouble shooting floor problems, improving efficiency, documentation are the other critical responsibilities.

Technical and Behavioral Requirements:

- Bachelor's Degree in Industrial Engineering is required with three year's experience in Manufacturing Engineering support including documentation, specification and trouble shooting floor problems.
- Three years of process analysis skills with demonstrated productivity improvement history.
- Three years experience with time and motion study, cost standards, and ergonomics.
- Three years working knowledge in manufacturing techniques such as JIT, KANBAN, and lean manufacturing.
- Two to three years' application of operations research methodology (optimization) to manufacturing processes is preferred. Proficiency with linear programming and simulation is required.
- Working Knowledge of Capacity Planning, Poke-Yoke, One-Minute tool Change, Cost Reduction
- Two years knowledge of Quality Techniques such as SPC, DOE, and Japanese Quality manufacturing is preferred.
- Working knowledge of Microsoft Office Applications.
- Proven internal/external customer focus and values driven along with high performance orientation, adaptability and sound judgment.
- Excellent oral, written, persuasion and listening skills, along with cross-functional collaboration/teamwork skills.
- Demonstrated project achievement/management, change implementation, High performance, persuasion and consensus building skills.
- Proven continuous innovation/improvement and detail orientation.

Quality Engineer - Electronics manufacturer, Monroeville

Compunetix, Inc. develops state-of-the-art multimedia multipoint telecommunications systems, both in the commercial and government markets through its Communications Systems Division, Video Systems Division, and Federal Systems Division. Compunetix also provides engineering and manufacturing services through its Instrumentation Systems Division.

This position will assist in implementation of ISO9000 quality system, conduct reviews of nonconforming material and perform internal audits of the quality system. Responsibilities also include monitoring, controlling and improving manufacturing processes using statistical techniques and assisting in the development of production operators and administering corrective actions. Requirements for the position include an AS in physical science or engineering, previous manufacturing experience and skill in the areas of technical writing and applied statistics. A bachelor's degree is preferred as well as experience with electronics.

If you are Interested in this position, refer to the web site, (www.compunetix.com) for more information or contact Lou Hart, the Quality Assurance Manager, 412-858-6184, if you have questions. Resumes can be sent to:

Attn: HR Dept.
Compunetix, Inc.
2420 Mossie Blvd.
Monroeville, PA 15146

MEMBERSHIP STATUS REPORT

We currently have 170 members in the Pittsburgh Chapter of IIE with the addition of two new members. They are:

David Jubeck, who works for FedEx Express in Pittsburgh. He is a 1995 University of Pittsburgh graduate.

Andrea Bamber recently joined FedEx Ground as a Hub Engineering Analyst. She is a recent graduate of Lehigh University and has just relocated to Pittsburgh.

We would like to welcome David, Amber, along with any other new members to the organization.

If you know of 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 Angela Konop at (412) 859-2678.

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. Once you contact IIE National, your address change should be reflected on our next mailing list, which is received from IIE National each month.

MEMBER DEVELOPMENT OPPORTUNITIES

ERP

Principles, Methods and Applications

October 19-20, 2000 - Atlanta (Norcross), Ga.

Examine your production challenges from an ERP perspective. Whether you work in continuous production of commodity, job shop or service industry, this two-day workshop has significant, practical and immediate benefits for you.

After successfully completing the course, participants should be able to:

Understand ERP

Apply ERP technologies

Implement ERP software

Meet objectives using an ERP system

Evaluate ERP systems and their add-ons

Integrate the supply chain

Identify enterprise requirements

Utilize winning company, system integrator and practitioner

ERP practices

Registration -- Member, \$850. Non-Member, \$950

More information is available at the IIE website

(www.iienet.org).

Fundamentals of Work Measurement

Training in the fundamentals of work measurement is available on an ongoing basis at H.B. Maynard and company. This course will provide you with a broad perspective of the work measurement field and specific skills using a powerful work measurement tool.

The Schedule for the remainder of this year is:

October 23 - 27

November 13 - 17

December 4 - 8

For more information, please visit Maynard's website at www.hbmaynard.com.

CHAPTER DIRECTORS AND OFFICERS

DIRECTORS

Patricia Kelly Lee (412) 591-5406
Re-Engineering Services
pkires@aol.com

Holly Rowland (724) 873-1500 x.165
ADC Broadband Access & Transport Group
holly_rowland@ADC.com

Roman Hlutkowsky (412) 262-6021
Fed Ex Ground
rhlutkowsky@pgh.shiprps.com

David Jackey (412) 367-1778
Spear Technologies
djackley@stargate.net

Kjell Zandin (412) 921-2400 x.116
H.B. Maynard & Co.
kzandin@hbmaynard.com

OFFICERS

President
Doug Rabeneck (412) 921-2400 x.146
H.B. Maynard & Co.
drabenek@hbmaynard.com

Vice President
Jeff Peretin (412) 921-2400 x.186
H.B. Maynard & Co.
jperetin@hbmaynard.com

Secretary
Donna Degenhardt (724) 891-5206
Columbia Gas
Ddegenh@ColumbiaEnergyGroup.com

Treasurer
Mark Coffey (724) 925-4772
UPS
mcoffey@ups.com

Membership Committee Chairman
Angela Konop (412) 859-2678
Fed Ex Ground
akonop@shiprps.com

Programs Committee Chairman

Joe Kikta (412) 236-6193
Mellon Bank
kikta.js@mellon.com

Community Affairs Chairman

John Connors (412) 921-2400 x.149
H.B. Maynard & Co.
jconnors@hbmaynard.com

Communications Committee Chairman

Andrew Taylor (412) 921-2400 x.110
H.B. Maynard & Co.
ataylor@hbmaynard.com

University of Pittsburgh Student Chapter

Mary Besterfield-Sacre (412) 624-9836
Univ. of Pittsburgh/Dept. of IE
mbsacre@engrng.pitt.edu



NEXT MONTH'S MEETING

Next month's meeting will be Wednesday, November 8th, and will be a tour of Medrad Inc.'s Indianola facility. Medrad, Inc. develops, manufactures and markets medical devices that enhance the clarity of medical images of the human body. Founded in 1964, it is the worldwide market leader in the sales of vascular injection systems for angiography, computed tomography (CT) and magnetic resonance imaging procedures. Medrad's headquarters and main manufacturing facility are located in Indianola, Pennsylvania, 15 miles northeast of Pittsburgh.

INSTITUTE OF
INDUSTRIAL ENGINEERS

Pittsburgh Chapter
Area I, District 5
Number 3



Eight Parkway Center
Suite 400
Pittsburgh, PA 15220

2000 - 2001 SCHEDULE OF EVENTS

September 13 "Behind the Scenes" -
..... Pittsburgh Zoo & Aquarium Tour
October 17.. U. of Pitt Student Night - Entrepreneur Roundtable
November 8 Tour at Medrad, Inc.
December 6Pittsburgh Penguins vs. Boston

