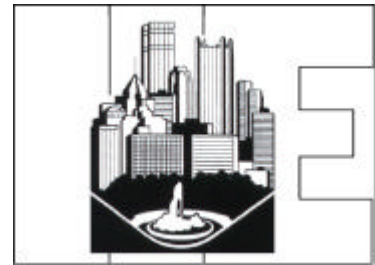


The Pittsburgh Sampler

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

APRIL 2001



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APRIL 2001 PROGRAM



The April 17th meeting will feature a tour of Industrial Scientific in Oakdale. Join us for this interesting tour of a unique Pittsburgh

manufacturing facility!

Industrial Scientific Corporation, an ISO9001 Quality Registered company, is a leading developer and manufacturer of portable and fixed-point gas detection products. These products detect and continuously monitor concentrations of combustible and toxic gases as well as oxygen levels and are used in industrial, municipal and commercial applications.

"Guaranteed For Life" portable instruments are available in single or multiple gas configurations for a wide variety of hazardous gases. These portable, reliable instruments were chosen by NASA as standard equipment on all Space Shuttle flights and aboard the International Space Station.

As a leader in the industry, Industrial Scientific has opened a state-of-the-art product testing laboratory. This laboratory will assure that all existing and new products will meet and exceed the requirements and applications of our customers.

During the tour of the facility, we will view the state-of-the-art manufacturing area, the engineering department, and R&D. We will also visit the new testing lab.

Website: www.indsci.com

Directions:

Industrial Scientific Corp. - 1001 Oakdale Road, Oakdale, PA. From Greentree, take 279 South toward the airport. Get off the exit for Routes 22/30 Steubenville, Ohio, Weirton, WV. From 22/30, take the Hankey Farms exit. Go down the ramp to the T in the road. Look to the right and Industrial Scientific sits right there. Go through the gate to the front entrance.

IIE APRIL 2001 MEETING

WHAT: Tour of Industrial Scientific Corp.
Joint meeting with SME - Pittsburgh

WHEN: Tuesday April 17, 2001

WHERE: Industrial Scientific - 1001 Oakdale Road,
Oakdale PA 15071

TIME: Registration 5:45pm
Tour 6:00pm

DINNER: Following the tour at Tonidale Restaurant,
7001 Steubenville Pike, Oakdale.
Select from: Chicken Cordon Bleu \$14.50 or
Stuffed Pork Chop \$14.25 (includes soft drink &
dessert)

COST: \$5.00 + cost of dinner

RSVP: By Friday, April 13th - Be sure to indicate your choice
of dinner entrée (Chicken or Pork Chop).
Contact Joe Kikta at 412.236.6193, or email
(preferred) kikta.js@mellon.com.

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

PRESIDENT'S MESSAGE

The March program was fantastic! PNC Park is the premier sporting venue in Pittsburgh and one of the best-designed ballparks in the country. Joe Kitka did an outstanding job organizing the event and the 30+ individuals who were lucky enough to attend got a real treat. This program set a new record by filling up a full month early. My apologies to those members who were not able to attend. Joe and I were so impressed with the facility that we are looking into planning a networking tailgate and ballgame over the summer (similar to the one we did last year), and we promise to get you details as soon as possible.

The chapter board of directors has met twice in March and has been busy defining strategic direction for the future. For the first time in years we actually developed a budget based on what we want to accomplish instead of just planning similar expenses as last year. One proposal the board is considering is changing the program year. This proposal arose from confusion over the 3 separate calendars that we as a chapter leadership team are forced to work within. As you are all aware, our chapter officer terms and program year has always run from June 1st - May 31st. This does not coincide with how the chapter effectiveness is evaluated. The Chapter Activity Report (the report card we are required to submit to National IIE each year to be eligible to receive funding) runs from January 1st - December 31st. Lastly, the IRS requires that we file tax records based on a financial year beginning April 1st and ending March 31st.

To simplify the situation we are considering modifying the chapter constitution and bylaws in order to change the program year and officer terms to match that of the Chapter Activity Report (CAR). This would eliminate the confusion of having the CAR measure 1/2 of potentially two different officer administrations. If approved by the board the constitution requires that a vote be taken at one of the upcoming programs by the chapter membership in attendance. A second motion will probably be made to extend the term of the existing officers and directors to December 31, 2001. Please contact me if you have any questions.

This month I am very excited that the Programs Committee has arranged a tour of a local innovative company. Industrial Scientific is a growing manufacturer of hazardous gas detection instruments with \$50 million plus in annual revenue. The tour and subsequent dinner are perfect opportunities to learn more about one of our areas up and coming companies and network with professionals from top organizations across Western Pennsylvania. I hope to see you there!

Sincerely,

Doug Rabeneck



STUDENT CHAPTER NEWS

The Student Chapter of IIE at the University of Pittsburgh has elected new officers for the 2001 year. They include President: Lauren Karpiszyn, Vice President: Jessica Gerchak, Secretary: Michael Grove, and Treasurer: Tim Frost. The newly elected officers are working hard to bring more leadership and involvement into the department.

Engineers' Week was March 17-24th. It proved to be one of the most competitive Engineers' Week's yet. Overall the Industrial Engineers finished in third place among the nine departments. Earlier in the week the IE's sharpened their business skills and took first place in the Pittopoly competition. Other winning events included third place in the soapbox race and the 5K run through Schenley Park. Later in the week the IE's stepped up to the challenge and took third place in the float building and won the Skit competition. The fun filled week ended with the Engineering Ball held at the downtown Marriott.

The Student Chapter will be sending ten students to the IIE Regional Conference in Buffalo April 6-8. The theme for this year's conference is "Get Lean for the Future". Nate Osborne will be presenting his Senior Project for the Technical Paper Competition. The conference is going to be a great opportunity for the IE students to interact with other schools and professionals from our region.

Jessica Gerchak
Vice President, IIE Student Chapter



MEMBERSHIP STATUS REPORT

The membership total for the Pittsburgh Chapter of IIE has risen to 188 members. There were many new IIE members added to our roster this month. Listed below are the new members:

Christy Bures of H.B. Maynard & Co.
 Theodore Dengel of FedEx Ground
 Stephen Esber of FedEx Ground
 Matthew Gardner
 Jessica Gerchak
 Jennifer Merritt of Hussey Fabricated Products
 Peter Molenda of FedEx Ground
 Joseph Ramos of Bayer Corporation
 Brian Weaver of All-Clad Metal Crafters

We would like to welcome all of our new members, as well as reinstated members to the organization.

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 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.

IIE IN THE COMMUNITY

The community affairs team is currently working to identify and develop additional opportunities for you to use your IE skills to help the community. We would appreciate your input and ideas. If you have any ideas of charitable or community organizations who would benefit from the skills of our talented volunteer members, please pass them on to Dara Stock Dara_Stock@usairways.com, Mark Grebinoski markg@usairways.com, or John Connors jconnors@hbmaynard.com.

Thanks!

TREASURER'S REPORT

INSTITUTE OF INDUSTRIAL ENGINEERS

CHAPTER IRS REPORT

4/1/00 - 3/31/01

CHAPTER NAME: PITTSBURGH

CHAPTER NO. 3

FED. EMPLOYER I.D. NUMBER: 25-606281

REGION: 5

	<u>INCOME</u>	<u>EXPENSES</u>
1. DUES INCOME	\$ 2,401.25	XXX
2. INTEREST INCOME	121.31	XXX
3. CONTRIBUTIONS RECEIVED (A)	-	XXX
4. CONFERENCES (B)	-	-
5. MONTHLY MEETINGS	4,453.00	4,008.65
6. NEWSLETTERS (B)	-	-
7. MISCELLANEOUS (B)(C)	-	60.00
8. CONTRIBUTIONS AND GRANTS PD.	XXX	300.00
9. PUBLICATIONS/NEWSLETTERS	XXX	2,023.40
10. PROGRAMS/MEETINGS	XXX	-
11. STUDENT DEVELOPMENT (E)	XXX	-
12. COMMUNITY SERVICES	XXX	-
13. MEMBER SERVICES	XXX	297.98
14. OFFICERS & CHAPTER MEETINGS	XXX	114.55
15. CHAPTER OPERATIONS SUPPLIES	XXX	85.00
16. MISCELLANEOUS (C)	XXX	-
17. TOTAL	<u>\$ 6,975.56</u>	<u>\$ 6,889.58</u>
ENTER: 18. NET WORTH 4/01/00		\$ 4,115.26
ADD 4/01/00-3/31/01 INCOME		\$ 6,975.56
SUBTOTAL	\$ 11,090.82	
LESS 4/01/00-3/31/01		
EXPENSES		<u>\$ (6,889.58)</u>
NET WORTH 3/31/01		<u>\$ 4,201.24</u>



Jeff Peretin

Vice President and CAR Coordinator

As we progress through this program year, the committee is attempting to provide some insight into how our chapter is evaluated on a national level. This week we will focus on the Chapter Plans and Operations metric.

Chapter Plans and Operations

The Chapter Plans and Operations performance dimension focuses on the planning and management of the chapter. Obviously, planning and management are very complex and difficult to measure. To quantify these dimensions, two measures have been selected:

1. Existence of a timely strategic plan
2. Financial management.

Chapter Management

The chapter should develop plans for both the long term and short term. The purpose of the plan is to communicate the chapter's objectives so that others can contribute to the achievement of those objectives. A high quality strategic plan should contain:

- vision and mission statements
- strategic objectives (2-5 years out)
- tactical objectives (upcoming year)
- financial projections
- a chapter calendar of key dates (such as the Newsletter Competition due date and chapter election dates)
- an assessment of chapter performance relative to the previous year's plan.
- The minimum requirements for a basic strategic plan are
- a calendar of key dates
- the chapter program schedule for the year.

Score:

Pts	Plan/Timing	Pts	Plan/Timing
10	Quality Plan by 9/1	4	Basic Plan by 10/1
8	Quality Plan by 10/1	2	Basic Plan after 10/1
6	Quality Plan after 10/1 or Basic Plan by 9/1		
0	No Plan submitted		

1.2 Financial Management

Developing a financial plan or budget for the year is important for sound financial management. The degree to which that plan is met measures both the chapter's financial performance and the accuracy of its budget forecasting. Sound financial management requires balancing both the revenue and expense sides. The measure is simply the ratio of the "actual revenue to actual expense" to the "budgeted revenue to budgeted expense". The budgeted numbers must appear in the chapter's plans for the coming year. The formula is:

$$\frac{\text{actual revenue/actual expense}}{\text{budgeted revenue/budgeted expense}}$$

Score:

Points	Ratio	Points	Ratio
10	> 1.20	4	> 0.90
9	> 1.15	3	> 0.85
8	> 1.10	2	> 0.80
7	> 1.05	1	> 0.75
6	> 1.00	0	< 0.75
5	> 0.95		

NEXT MONTH'S MEETING

Mellon Client Service Center – May 9, 2001

The May 9th meeting will be a tour of Mellon Financial's new Client Service Center. This new downtown building (opened Spring 2001) houses Mellon's:

- Global Cash Management Operations
- Retail Financial Services Operations
- Corporate Mail Operations
- Human Resources Corporate Staffing
- International Operations

The Mellon Client Service Center site encompasses 4.2 acres in the heart of the Mellon Financial Center complex in downtown Pittsburgh. Bounded by Ross Street, Fifth and Sixth Avenues and the Crosstown Boulevard, the building spans two city blocks.



To reserve your spot for this interesting tour, contact Joe Kikta at kikta.js@mellon.com, or 412-236-6193.

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.

QUALITY ENGINEER

This person will be responsible for procedures and methods for subcontractor and materials qualification including evaluation methods. Audit systems for compliance. Participate in design reviews of project and process designs. Participate in internal audit activities and corrective actions. Develop standards and methods for inspection, testing, and evaluation, including development of Workmanship Standards.

Devise sampling procedures and designs, develop forms and instructions for recording, evaluating, and reporting quality and reliability data. Establish and maintain program to evaluate precision and accuracy of production equipment and testing, measurement, and analytical equipment and facilities. Write training resources and conduct training sessions on quality processes.

REQUIREMENTS:

BSME or BSEE and 5+ years experience. Experience working with ISO9000 quality standards environment in an electrical product-manufacturing environment. Familiarity with PFEMA, SPC/SQC, Design for manufacturability, and MTBF/MTTR analysis techniques and tools.

NOTE: This person should come from a multi-component background, and not an industry dealing solely with one material (steel, plastics, etc.)

This is a great opportunity to work for a smaller (but international) company that manufactures solid state motor starters. This is a company of innovators, on the cutting edge of their industry. Their starters can be found in commercial and consumer products. This is a created position.

If interested, contact:

Matthew Modell
Strauss Personnel Services
239 Fourth Avenue, Suite 1917
Investment Building
Pittsburgh, PA 15222-1712
Phone:412-281-8235 ex 112
Fax:412-281
Email:mmodell@strausspersonnel.com -9417

LAST MONTH'S MEETING

The March 8th meeting was a fabulous "standing room only" preview tour of PNC Park. Pirates' Project Manager Craig Dunham took the group into every corner of the new Park, including the dugout, clubhouse, and luxury suites. He pointed out the unique design features, and explained the project management approach that enabled the facility to be built on-time and on-budget.



recent exhibition games!

Safe to say that we were all favorably impressed with the facility (although we were a bit concerned that all of the work would be complete by the

MEMBERSHIP DEVELOPMENT OPPORTUNITIES

IIE Lean Management Solutions Conference

NORCROSS, GA (January 22, 2001) – Advanced techniques in lean is the focus of the inaugural IIE Lean Management Solutions Conference, September 10-11 at the Sheraton West Port Hotel in St. Louis, Missouri. A pre-conference workshop is planned for September 9 and a post-conference workshop on September 12-13 completes the conference program.

With an all-encompassing conference theme of Transforming the Enterprise, the educational sessions will address how companies have used process-driven, implementation-based industrial engineering lean methodologies to dramatically improve productivity, reduce costs, enhance customer satisfaction, and obtain superior quality, all through elimination of waste.

"If you miss the Lean Management Solutions Conference, you will miss the lean event of the year," promises conference chair John S. W. Fargher, Jr., Ph.D. "The conference will be jam-packed with benefits and lean experts. Many technical experts will speak on lean industrial engineering tools, lean quality, lean supply chain management, lean case studies, and overcoming organizational change obstacles to lean."

The Lean Management Solutions Conference is sponsored by the Institute of Industrial Engineers. In addition to educational workshops and sessions, the conference features a variety of rewarding networking opportunities.

For more information, visit the official conference Web site, www.iienet.org, or contact Lisa Zaken, Director of Marketing, 770-449-0461, ext. 111, e-mail lzaken@iienet.org.

| the IE Event of the Year |

where industry and research connect



Annual Conference 2001

The IIE Annual Conference, May 20-23, Dallas

Discover cost-effective solutions and cutting-edge research at the most respected industrial engineering event of the year, the IIE Annual Conference. Experience a world-class educational opportunity featuring dual forums devoted to covering all aspects of industrial engineering. No other industrial engineering event gives you a more comprehensive overview of current developments and scholarly research than the IIE Annual Conference.

At the IIE Annual Conference learn how to:

- Approach your challenges with new insight
- Maximize the latest research in industrial engineering
- Apply current IE techniques to improve processes and increase productivity

By attending you can:

- Tune into 175+ education sessions covering a wide variety of topics
- Gain a renewed vision from 300+ dynamic presenters representing industry and academia
- Tap into a network of respected productivity professionals from leading organizations
- Benchmark best practices
- Meet hiring managers at the IIE Career Fair
- Learn about the latest products and support services in the Exhibit Hall

Educational Tracks

Solutions 2001

- Focus on Latin America – presented in Spanish - **NEW**
- Lean: Concepts and Applications
- Logistics and Distribution
- Management and Continuous Improvement
- Manufacturing / Operation
- Production and Inventory Control
- Quality
- Retail Operations
- Simulation
- Technology
- Work Measurement and Ergonomics

Research 2001

- Computer Applications and Information Systems
- Engineering Economics
- Engineering Management
- Facility Layout
- Human Factors / Methods
- IIE Transactions Best Paper Awards
- Logistics and Supply Chain / Scheduling
- Manufacturing / Design
- Operations Research Division
- Production & Inventory Control / Facilities /
- Engineering Education
- Quality Control + Reliability Engineering Division
- Probability & Statistics
- Simulation / Optimization
- Tutorials

For more information or to register visit:

<http://www.iienet.org/>

Or contact:

Institute of Industrial Engineers

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INSTITUTE OF
INDUSTRIAL ENGINEERS

Pittsburgh Chapter
Area I, District 5
Number 3



Eight Parkway Center
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2000 - 2001 SCHEDULE OF EVENTS

September 13 "Behind the Scenes" -
Pittsburgh Zoo & Aquarium
Tour

October 17 U. of Pitt Student Night

November 8 Tour at Medrad, Inc.

December 6 Pittsburgh Penguins vs. Boston

January Chapter Leadership Meeting

February 13 5-S Workplace Improvement Overview

March 8 PNC Park Tour

April 17 Tour of Industrial Scientific

May 9 Tour of Mellon Financial Corp. Ops. Ctr.

