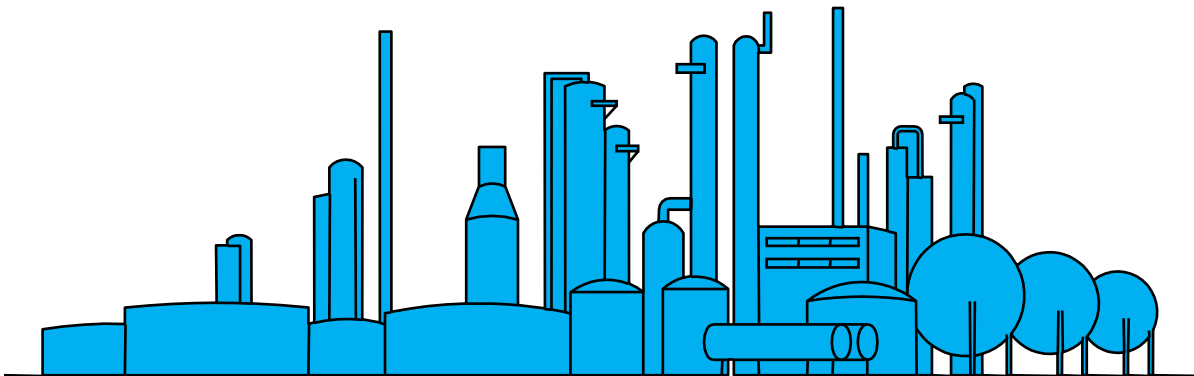


INSTITUTE OF INDUSTRIAL ENGINEERS

PROCESS INDUSTRIES DIVISION

ANNUAL DIVISION MEETING



Peter L. King
President - PID
June 2, 2009



- *Introductions*
- *The Process Industries*
- *PID history*
- *PID officers and advisory board*
- *PID by-laws*
- *Recent PID accomplishments*
- *Plans for 2009*
- *Acknowledgements and recognition*
- *New Business*
- *Open discussion*



THE PROCESS INDUSTRIES

PROCESS INDUSTRIES DIVISION

The manufacturing sector is broadly defined in two categories:

- Discrete parts manufacturing (ISIC codes 38 – 39)
- Process industries. (ISIC codes 31 – 37)



THE PROCESS INDUSTRIES

PROCESS INDUSTRIES DIVISION

Discrete Parts Manufacturing and Assembly

- Automobiles
- Cell phones
- Computers
- Power tools
- Appliances
- Aircraft
- Medical instruments
- Consumer electronics
- Lawn mowers



Process Operations

- Chemical reactions
- Physical transformations
- Mixing, blending
- Extrusion
- Sheet forming



Process Products

- Automotive and house paints
- Foods and beverages
- Personal care products
- Synthetic fibers
- Sheet goods
- Films
- Glass and ceramics





The process industries division of IIE is a working group of engineers whose primary responsibilities center around supporting and providing leadership for coordinative and managerial processes arising in process industries such as food, beverages, textiles,
The working group exists to:

- Serve as a forum for exchange of ideas on state-of-the-art in theory and practice of industrial engineering techniques applied to process industries;
- Facilitate greater interactions among industry and academic professionals by organizing workshops, meetings, symposia and sponsoring sessions at high-profile national and international conferences;
- Enhance visibility and role of industrial engineers in process industries



RECENT PID HISTORY

PROCESS INDUSTRIES DIVISION

- PID “resurrected” sometime around 2002/2003. A Board of Directors was created. A number of good activities were started, but not sustained.
- PID track at IIE annual conferences (Track chair: Doug Kroeger)
 - 2006 (7), 2007 (6), 2008 (11)
- Discussions on PID role and future (Led by Doug Kroeger)
 - 2007, 2008
- Phone calls to establish PID Advisory board (Led by Doug Kroeger)
 - July, August 2008
- Selection of officers – August 2008
 - President – Jairo deJesus
 - President –elect – Pete King
- By-laws drafted – October 2008
- By-laws approved – February, 2009
- New officers take office – April, 2009
 - President – Pete King
 - President –elect – Bennett Foster
 - Secretary/Treasurer – Vincent Howell



- President Pete King Lean Dynamics, LLC
- President-elect Bennett Foster DuPont Company
- Past-president Jairo de Jesus Farmland Foods, Inc
- Past-president Doug Kroeger Nestle Nutrition
- Secretary-Treasurer Vincent Howell Corning Incorporated
- Technical VP (IIE) Deb Laudenslager Hershey Company
- Board members
 - Jim Philpott Kraft Foods
 - Joe Paris Xonitek Corporation
 - Victoria Marsh Xonitek Corporation
 - Nathan Williams International Paper
 - Bill Proctor Epicenter Development Group LLC
 - Bharat Kona Barr labs
 - Luis Armendariz Baxter healthcare Corp
 - Mark Yingling Hershey Foods



Process Industry Division Bylaws

Institute of Industrial Engineers

ARTICLE 1. NAME

This organization shall be named the Process Industry Division of the Institute of Industrial Engineers .

ARTICLE 2. PURPOSES

The purposes of the Process Industry Division of the Institute of Industrial Engineers shall be:

- Develop, maintain, and disseminate a body of technical knowledge
- Provide a forum for technical networking
- Be perceived as the voice of the technical specialty
- Collaborate with IIE to support the mission of the institute, provide member value, and promote the discipline
-

<http://www.iienet2.org/Landing.aspx?id=887>



2006 (7)

- Labor Optimization through Work Measurement in the Process Industries
Doug Kroeger, Gerber Products Company
- Value Stream Mapping Applied to Chemical Operations
Shawn Roche, H.B. Maynard and Co
- Interactive Process Flow Modeling in the Process Industries
Jim Philpott, Kraft Foods
- Lean Six Sigma in the Process Industries
Pete King, DuPont
- Optimized Factory Performance strengthens the Supply Chain
Tom Knight, Invisticks Corp
- Can Lean/Six Sigma Concepts Improve R & D Productivity?
Dennis Van Liew, Pfizer Global Research and Development
- Establishing Simulation as a Basic Tool for the Process Industries
Malcolm Beaverstock, General Mills



2007 (6)

- **Lean Document Production: A Novel Solution for the Printing Industry**
Jie Lin and Sudhendu Rai, Xerox Corp
- **The Skinny on Lean Manufacturing: Why Some Enterprises Fail to Derive Benefits**
Tom Knight, Invistics Corp
- **Pull Systems in the Process Industries**
Pete king, DuPont
- **Lean Process Industry Analysis: From Value Stream Mapping to Simulation**
Bennett Foster, DuPont
- **Making Lean Fun**
Jonathan Birkenfeld, Kraft Foods
- **Round Table Discussion: The Role of the Industrial Engineer in the Process Industries**
Doug Kroeger, Gerber Products Company



2008 (11)

- Applying Lean Six Sigma to the Process Industry Front Office
Joe Paris, Xonitek Corp
- Process Industry Strategic Measurement and Management
Bob Paladino, Bob Paladino & Associates LLC
- Improving Continuous Process Systems with Simulation
Carley Jurishica, Rockwell Automation
- Lean System Design – Using Simulation to Design Pull Systems
Bennett Foster, DuPont
- Determining Economic Production Quantities in a Continuous Process
Doug Kroeger, Gerber Products
- Productivity Improvement Solutions for Manufacturing Systems with Highly Variable Inputs
Sudhendu Rai, Xerox Corp



2008 Cont'd

- Performance Measurement Systems for Converting Operations with Varying Performance Capabilities
Nathan Williams, International Paper
- DuPont Case Study: Implementing Lean in a High Mix Process Company
Tom Knight, Invistics Corp
- Simulation and Lean Manufacturing Tools to Increase Capacity in Biopharmaceuticals
Luis Armendariz, Baxter Healthcare Corp
- Using Six Sigma to Improve Throughput and Solve Legacy Problems in Continuous Processing
Janice Shade, Kraft Foods
- Cellular Manufacturing in the Process Industries
Pete King, Lean Dynamics LLC



2009 (5)

- Design and Implementation of Continuous Improvement Programs
Martin Stein, University of Phoenix
- Improving Value Stream Performance in Process Industries
Dick Van Goubergen, Ghent University
- Production Leveling in the Process Industries – Heijunka by Product Wheels
Pete King, Lean Dynamics LLC
- Process Industry Strategic Measurement and Management
Bob Paladino, Bob Paladino & Associates LLC
- Case Studies in Process Industry Excellence – How to Sustain Success
Kevin McManus, GreatSystems!

Key Themes (of 29)

- *Lean, Lean Six Sigma (16)*
- *Simulation (6)*



- Holding monthly PID board calls
 - All PID members are welcome to participate!
- PID article in December issue of Industrial Engineer Magazine
 - *Making Cereal, Not Cars*
- Established a PID web site, linked to IIE web site
 - Posted articles relevant to Process industry challenges and solutions
- Established a webinar series on topics of interest to PID members
 - First presentation May 4 – “SMED in the Process Industries”
- Conducted a PID track at 2009 IIE annual conference
 - 5 presentations (Track chair: Joe Paris)



OUR PLANS FOR 2009

PROCESS INDUSTRIES DIVISION

- Conduct informative, professional quality presentations in our PID webinar series
 - Illustrate and clarify the use of IE tools tailored to process industry problems
 - Three more planned in 2009 – July, September, November
 - **Do you have topics to suggest?**
- Strengthen the PID website
 - A depository for information of value to process industry IEs
 - A networking tool to encourage dialog and collaboration
- Publish additional articles in IE Magazine
- Continue our monthly PID conference calls
 - Conduct division business in an open, transparent fashion
 - Provide a forum for networking and discussion of ideas and topics relevant to process industry IEs



June 2, 2009

Doug,

This certificate is being presented to you in recognition of your outstanding service to the Process Industries Division of the Institute of Industrial Engineers. Your leadership, initiative and limitless energy far exceeded expectations and proved invaluable to the division and IIE.

We salute your distinguished contributions:

- Serving as the division president in 2006, 2007, and 2008
- Serving as PID track chair for the years 2006, 2007, and 2008, and for arranging and coordinating an excellent slate of presentations each year.
- For single-handedly keeping the division alive and vital and for spearheading the effort to insure a strong, energetic division to continue in your path after your term expired.

The division holds you in high regard and thanks you for your countless efforts on behalf of the advancement of the division and the profession.

Sincerely,

Peter L. King

President, Process Industries Division



PROCESS INDUSTRIES DIVISION

NEW BUSINESS

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QUESTIONS, COMMENTS, REFLECTIONS

PROCESS INDUSTRIES DIVISION

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