

Process Analysis and Improvement in the 21st Century

Shahrukh Irani
Department of Integrated Systems Engineering
The Ohio State University
Columbus, OH43210

Background

Almost a century ago, IE's like Frederick Taylor (circa 1881), Harrington Emerson (circa 1911), Frank and Lillian Gilbreth (circa 1917), Henry Gantt (circa 1917) pioneered the science and graphical analysis tools for Methods Analysis/Work Design. Ironically, almost a hundred years later, we see variants of their manual pencil-and-paper tools being used for Lean/Six Sigma process improvement projects, for re-design of hospitals, ergonomics evaluations of workplaces, etc. Therefore, this workshop seeks to demonstrate the numerous potential benefits of coupling the creativity, work experience and visualization-aided problem-solving skills of the human mind with state-of-the-art modeling and analysis software for Process Analysis & Improvement.

Benefits Of Attending This Workshop

- Receive a tutorial on how IE's systematically analyze and improve any process
- Learn about applications in a variety of manufacturing and service environments
- Network with peers and fellow practitioners in this field
- Explore opportunities for participating in ongoing research projects at OSU

Agenda

To receive an electronic copy of the agenda, please email irani.4@osu.edu or leave a voicemail at (614) 688-4685.

Date

March 16, 2010

Where Will The Workshop Be Held?

Location: Room 260, Dreese Laboratories, 2015 Neil Avenue, Columbus, OH 43210

Campus Map: <http://www.osu.edu/map/building.php?building=279>

Nearby Public Parking: <http://www.osu.edu/map/building.php?building=088>

How To Register?

The Registration Fee for the workshop is \$75 per person payable by check to "Advanced Manufacturing Interest Group, The Ohio State University". To receive the Registration Form, please email irani.4@osu.edu. After you have completed the form, please mail it with your check to:

Dr. Shahrukh Irani
Department of Integrated Systems Engineering
The Ohio State University
294 Baker Systems Engineering
1971 Neil Avenue
Columbus, OH 43210

***** The Registration Fee has been waived for all speakers *****

Cancellation Policy

No cancellations will be entertained.

Event Logistics

Attendees are responsible for making their own travel and hotel arrangements. Breakfast, lunch and snacks/beverages during both morning and afternoon sessions will be provided.

Pre-Workshop Preparation

This workshop includes a tutorial on Process Analysis & Improvement where we will do an exercise to illustrate the principles, and method for integrative use of various charts that help to graphically capture the Current State of a process. Therefore, it is hoped that, prior to the day of the workshop, attendees will study the presentation “*Fundamentals of Process Analysis and Improvement: An Industrial Engineer’s Approach for Analyzing and Improving Any Work That We Do*”. After you have registered for the workshop, if you wish to receive this presentation, please email irani.4@osu.edu or leave a voicemail at (614) 688-4685.

Electronic Dissemination of Presentations

During or after the workshop, attendees are welcome to contact speaker/s to obtain their presentations.

Do you have any questions about this Workshop?

Please email irani.4@osu.edu or call him at (614) 688-4685.

Future Events

- Methods, Software and Technology for Process Analysis & Improvement
- Achieve Flow in *Your* Jobshop using the Lean Advisory Tools
- JobshopLean2010 Conference

Acknowledgements

This workshop is made possible by federal funding for the project *Smart Chart™: Intelligent Process Improvement Tools for Forges* (BAA01-008, ATI Subcontract No. 2008-624). This project is part of the Forging Advanced Systems and Technologies (FAST) Program which is sponsored by the Defense Supply Center (DSCC) Philadelphia, PA, and the Defense Logistics Agency (DLA), Ft. Belvoir, VA, and cost shared by industry. The Ohio State University acknowledges and appreciates the support from the Forging Defense Manufacturing Consortium and Advanced Technology Institute.

Ohio State Serving The State of Ohio

This workshop supports the mission of the Ohio Manufacturing Institute (www.omi.osu.edu).