

12TH ANNUAL ASQ LEAN-SIGMA CONFERENCE AT SIUC

The 12TH ANNUAL ASQ LEAN-SIGMA CONFERENCE AT SIUC will be held **Thursday, April 30, 2015** on the 2nd floor of the S.I.U.C. campus Student Center, 1225 Lincoln Drive, Carbondale, IL. **Check-in begins at 8:00 a.m., sessions start at 8:30 a.m.** Continental breakfast and lunch will be provided. Listed below is a brief overview of each of the sessions offered:

Topics / Speakers:

- **A Reliability Case Study: Implementing HALT / HASS Testing, Dr. Dell Elhomani, Advanced Development / Research Senior Engineer, Altec Industries, Inc.**
This session will focus on the use of Highly Accelerated Life Testing (HALT) has been shown to reduce time-to-market, improve reliability, and in combination with Highly Accelerated Stress Screen (HASS) testing, maintain reliability of products whenever process or component changes are made.
- **Building a Successful Career in Industry, Shannon Barrett, Global Director of Lean Six Sigma, Jabil Circuit.**
KEYNOTE PRESENTATION: This presentation will include the following topics: (1) Establishing critical relationships; (2) Effective communication skills; (3) Knowledge you need that isn't taught in school, and (4) Strategic alignment: Your role in the big picture.
- **Communicating the "Why?" for Quality and Improvement, Jim Akers, Quality Manager, Woodward, Inc.**
Practitioners in the quality field tend to be logical thinkers and tend to communicate the "How?" and "What?", yet most people care about the "Why?" This presentation will cover the importance of improving our communication in order to drive improvement and quality.
- **Designing Quality of Services (QoS) Using the Statistical Application of SERVQUAL, Dr. John Tugaw Legier, Associate Professor, Southern Illinois University.**
This presentation will evaluate how QoS, a Quality Function Deployment (QFD)-type approach, becomes a relevant methodology to be used along with Voice of the Customer (VOC), and how its analysis can be integrated within both production and service environments for clients (customers).
- **Important Quality Tools: Histograms vs. Loss Function vs. Tri-Charts, Cary Moudy, Purchasing/Quality Facilitator, US Weights D/B/A Escalade Sports.**
This session will focus on presenting an overview of how a quality tool such as Histograms lead to cost improvements utilizing the Loss Function equations as well as Tri-Charts over time.
- **Linking Risk Management to Quality, Kelyn R. Young, GOLD Leader, The GSI Group.**
This presentation will focus on explaining the successful use of diverse Risk Management tools and Quality applications used by the GSI Group to mitigate risk and increase overall quality.
- **Overcoming Adversity With Attitude!, J.R. McGee, Founder & C.E.O., X-Stream Leadership Group.**
Life is about more than "surviving" bad times and difficult situation; it's about learning how to turn your worst moments into your most memorable successes. Learn how to recognize potential failure modes in your behavior and develop strategies to create success where others see only crisis, problems, and difficulties.
- **Perfect Line, Chuck Kuhn, Vice-President of Quality and Production Control, Aisin Electronics Illinois, LLC.**
This presentation will focus on explaining how this Aisin's program will allow you to drive an internal defect rate down resulting in reductions in external-customer defects. Visual management, 3F, 4M, QCMS, QA Networks, as well as line targets tracked and reviewed daily will be explained.
- **Preparing for Quality in IT Project Management, Dr. Arden Lockwood, Assistant Manager, Information Technology - Southern Illinois University.**
This presentation will focus on explaining why before building a project schedule, a project manager must ensure that the project's charter, scope, and stakeholders are clearly understood and approved. The presenter will introduce how to achieve project management maturity and how to improve quality within all projects.
- **Take the Journey: A Hands-On Simulation of Waste Elimination and other Lean Manufacturing Concepts, Shannon Story / Chris McWherter, Continuous Improvement Manager / Continuous Improvement Specialist, Pella, Corp.**
In this interactive presentation / exercise, participants will learn the power of waste elimination, 5S, one piece flow, standard work and other Lean concepts as they become working team members in a Lego widget assembly line. Training will consist of 5 simulated workdays; including reflections & Kaizen between each day.
- **The Problems with Problem Solving, Gabriel Smith, Supplier Quality Supervisor, John Deere.**
Quality practitioners are professional problem solvers. This presentation will explore several of the barriers/obstacles associated with effective problem solving, and will introduce different means to become a more effective problem solver in an organization. This session is interactive.
- **Trends and Considerations: Overview of Industrial Safety and Health Management, Lori Amerman, Operations Coordinator, Illinois Manufacturing Excellence Center (IMEC).**
This presentation will focus on providing an overview of the latest considerations in industrial safety and health management. Recent regulatory changes and emphasis programs will be introduced, as well as common trends observed in the training and consulting of hundreds of Illinois employers over last two decades.
- **Use of Quality Management Tools to Benefit from Word Data, Christine Youker, Founder & C.E.O., www.sentinelwordprofiles.com.**
Word data can be used with quality management tools to identify what is working that can be further leveraged, as well as opportunities for improvement. The Juran Trilogy provides a framework, and the "3 Cs" provide systematic process steps for using quality tools and word data. Examples using word data included.
- **Using LEAN in a Repair Shop Environment vs. a Steady State Environment, Col. Barton Welker, Commander 182d Maintenance Group, Illinois Air National Guard.**
The 182d Maintenance Group (MXG) used Lean, Six Sigma, and Theory of Constraints to reduce aircraft inspection and repair times, increasing throughput and decreasing costs, resulting in the 182d MXG having the highest C-130 Mission Capable Rate among all Units assigned to Air Mobility Command for fiscal years 2010, 2011, 2012 and 2013.
- **Using Process FMEAs & Control Plans for Effective Risk Mitigation in Operations, Nick Baudino, Quality Manager, Caterpillar Hydraulics.**
This session will share insight into the Advance Product Quality Planning (APQP) process with emphasis on manufacturing risk mitigation and control. Process map, instructions, and examples will be shared from applications at Caterpillar Hydraulics.

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SCHEDULE OF CONFERENCE SESSIONS

8:00am - 8:30am Registration (Located at the *SIU Student Center*, Second floor)

TIME	TRACK 1	TRACK 2	TRACK 3
8:00-8:30	BREAKFAST		
8:30-9:30	Using LEAN in a Repair Shop Environment vs. a Steady State Environment	Preparing for Quality in IT Project Management	Overcoming Adversity with Attitude!
9:30 -9:45	BREAK		
9:45-10:45	Perfect Line	Important Quality Tools: Histograms vs. Loss Function vs. Tri-Charts	
10:45-11:00	BREAK		
11:00-12:00	A Reliability Case: Implementation of HALT / HASS Testing		
12:00-1:30	LUNCH KEYNOTE: Building a Successful Career in Industry		
1:30-2:30	Take the Journey: A Hands-On Simulation of Waste Elimination and other Lean Manufacturing Concepts	Using Process FMEAs & Control Plans for Effective Risk Mitigation	The Problems with Problem Solving
2:30-2:45		BREAK	
2:45-3:45		Linking Risk Management to Quality	Communicating the "Why?" for Quality and Improvement
3:45-4:00	BREAK		
4:00-5:00	Trends and Considerations: Overview of Industrial Safety & Health Management	Designing Quality of Services (QoS)	Use of Quality Management Tools to Benefit from Word Data

Registration Form - 12TH ANNUAL ASQ LEAN-SIGMA CONFERENCE AT SIUC

Ways to Register

- E-mail *Registration Form*:
Tomas Velasco
velasco@engr.siu.edu
- Mail check* to:
Tomas Velasco
Southern Illinois University
1230 Lincoln Drive
Carbondale, IL. 62901-6603
* *Please make checks payable to:*
ASQ Student Chapter

Name(s): _____
 Company: _____
 Email Address: _____
 Phone: _____

Registration Rates

**\$95 for Professionals, \$40 for Faculty / Staff,
\$25 for Students**