

Enhanced Product Development

a 3-day Workshop for

Integrating Systems Engineering and Design for Six Sigma

Who Should Attend?

Managers, Engineers, and Product Specialists involved in all aspects of product design, development, and support.

Topics Covered

Basics of Systems Engineering (SE) and DFSS, Methods and Tools for Requirements Identification, Analysis, and Optimization. Using SE and DFSS in an Integrated Process.

Training Format

Focused 3-day training with SE and DFSS theory, application examples and SW tool instruction. This workshop provides 23 Professional Development Hours (PDH) or 2.3 Continuing Education Units (CEU) as defined by the Texas Board of Professional Engineers.

Tuition

US \$2,250.00 per attendee. (Ask about our discount for multiple associates from the same company.)

What's Included

Student Training Manual, SDI Tools v3 (\$979.00 value), Certificate of Workshop Completion, Post Workshop Assistance. (Hotel Accommodations at SuperMedia Center not included.)

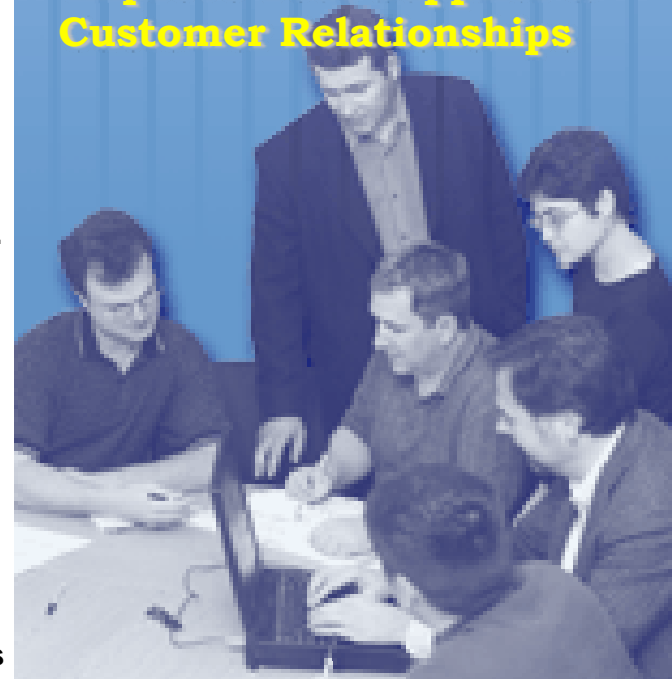
Registration and Payment

Registration deadline is April 5, 2010. Payment is by check or confirmed company Purchase Order provided in advance. Contact SDI for other payment options. Cancellations will not be allowed; however, attendee substitutions will be accepted.

Computer Requirements

Attendees are encouraged to bring a laptop/notebook computer operating with Microsoft Windows and Excel 2000 or greater. SDI Tools v3 SW can be downloaded prior to the workshop at www.stat-design.com.

- Increase Your Margins
- Increase Your Market Share
- Improve Your Supplier & Customer Relationships



April 13-15, 2010
SuperMedia Hotel &
Conference Center
2200 West Airfield Dr.
DFW Airport, TX

Learn. Understand. Apply.

April 13-15,
2010

Statistical Design Institute
Transforming customer needs into quality solutions
www.stat-design.com

Do you want to improve your ability to address Product Performance and Quality problems? Do you want to eliminate the need to fix problems during Production that should have been identified in Design? Are your Development activities Reactive rather than Proactive? Attend this 3-day Workshop to learn how to overcome these and other product development concerns. Methods and tools discussed include QFD, TRIZ, AHP, Design Selection methods, Statistical Allocation, Sensitivity Analysis, Monte Carlo Analysis, Multi-Objective Optimization and others.

DAY 1 (8:30am - 5:00pm, April 13, 2010)

- Overview and Introductions
- Fundamentals of Systems Engineering and Product Development
- Fundamentals of Design for Six Sigma
- Capturing the Voice of the Customer
- Quality Function Deployment
- SDI QFD Tool Instruction and Exercises
- Theory of Inventive Problem Solving –TRIZ
- SDI TRIZ Tool Instruction and Exercises

DAY 2 (8:30am - 5:00pm, April 14, 2010)

- Day 1 Review, Day 2 Agenda
- Qualitative and Quantitative Design Selection
- SDI Design Selection Tool Instruction and Exercises
- Fundamentals of Requirements Flowdown
- Product/Requirement Models and Analysis
- Fundamentals of Variation and Statistics for DFSS
- Performing a Sensitivity Analysis
- SDI Sensitivity Analysis Tool Instruction and Exercise
- Performing a Monte Carlo Analysis
- SDI Monte Carlo Tool Instruction and Exercises

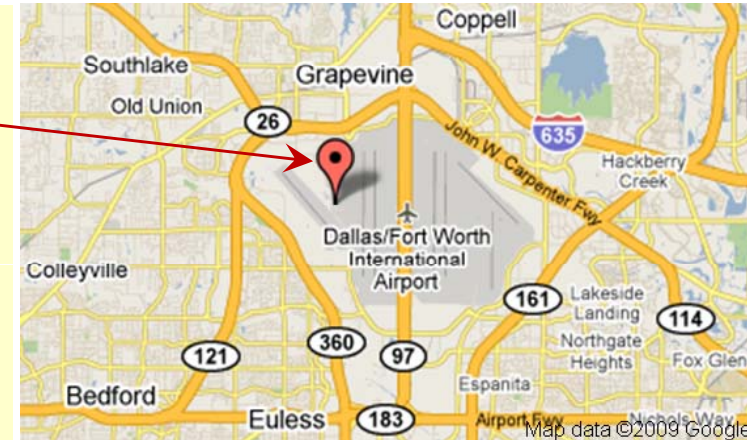
DAY 3 (8:30am - 5:00pm, April 15, 2010)

- Day 2 Review, Day 3 Agenda
- Performing a Statistical Allocation
- SDI Allocation Tool Instruction and Exercises
- Performing a Multi-Objective Optimization
- Reliability Modeling
- SDI Optimization Tool Instruction and Exercises
- Reliability Test Design Tool Overview
- Integrating DFSS with the System Engineering Process

For Hotel Reservations, contact:

SuperMedia Hotel and Conference Center
2200 West Airfield Drive
Dallas, TX 75261
972-453-0600

Conveniently located minutes from DFW International Airport and just 15 miles from downtown Dallas and Fort Worth, SuperMedia Hotel and Conference Center offers guests spacious accommodations.



Your workshop instructors: George Chollar, PhD, PE and Garron Morris, MSME



George Chollar is the President of SDI and an SMU Adjunct Professor in the School of Engineering, SE Masters Degree Program. His experience includes over 30 years in design, systems engineering, and program management for product development programs at Texas Instruments and Raytheon. He is a Six Sigma Master Black Belt and has focused on the application of DFSS concepts for enhancing engineering and product development. George has provided this training to managers, engineers, Master Black Belts, and Black Belts at various companies in the U.S., Europe, and Asia-Pacific.



Garron Morris is the Vice President for Methods and Tools at SDI. He has over 15 years of product development experience in thermal management and packaging of power electronics for medical, telecommunication, and lighting industries at Motorola and General Electric. Garron's areas of expertise include mechanical engineering, thermal analysis, reliability analysis, model development, statistical analysis, and software development. As a certified Six Sigma Master Black Belt (GE), he has trained and mentored engineers on DFSS concepts on all aspects of product development.

Enrollment for this Workshop is limited! Call us today at **800-379-3470** for information and registration. Learn how you can improve your program for advancing the technology of product development.