

The Southern California Discussion Group of the ASQ Biomedical Division Presents:

Design Of Experiment

Delivering breakthrough product & process performance

An Industry Roundtable Discussion

Thursday, March 21, 2013 5:30pm to 8:30pm

Topic: Utilizing a key six sigma tool, DOE to optimize product & process performance

Design of Experiments (DOE) is used to dramatically improve product and process innovation, effectiveness, and efficiency. DOE is the scientific approach used by researchers to build empirical mathematical models of product and process performance. These models are formulas that are used to optimize product and process performance while significantly reducing costs. DOE is considered the most powerful Six Sigma optimization tool and the Global Harmonization Task Force (GHTF) strongly encourages its use during medical device development.

Takeaways:

- Understanding DOE (DOE VS One-Factor-at-a-Time VS Taguchi)
- Learn how to create & analyze a factorial experiment
- Learn how to optimize product and process performance while reducing variation and costs

Please bring your questions, experiences, and other commentary to make this a more valuable experience.



Expert: Ned Schneider

Ned Schneider is a consultant and trainer with Advanced Response Engineering and has 20+ years medical device industry experience as an engineer and Director of Engineering working for several leading technology companies. Ned has compiled many Corporate Awards, Patents and ROIs over the course of his engineering career and has a B.S.M.E. & B.S. Industrial Engineering and Management. Ned provides engineering consulting and teaches ASQ Certification Refresher Classes for the Certified Six Sigma Black Belt and Certified Quality Engineering Programs. Also, for the past 6 years, he has taught Design of Experiments for both UC Irvine and UC San Diego through their Extension & Corporate Training Programs. He is an ASQ Certified Six Sigma Black Belt and Certified Quality Engineer with considerable expertise in the areas of product development, process development and automation.

Registration:

Dinner & drinks will be provided.

Seating is limited to the first 40 registrants so sign up soon! Registration closes at noon event day.

Member	Early Registration \$20- / After March 18 th \$25
Non-member	Early Registration \$30- / After March 18 th \$35
Students	Early Registration \$15- (must show valid School ID at event registration table for entrance)
Walkins	\$35- cash only if seating is available

<http://www.acteva.com/booking.cfm?bevaaid=235417>

Location: Abbott Medical Optics 1700 E Saint Andrew Place, Santa Ana, CA 92705

For more information Contact:

Tiffany Abrams at (714) 247-8572 or email Tiffany.Abrams@amo.abbott.com

As volunteers in a not-for-profit professional organization ASQ Biomedical, SCDG (Southern California Discussion Group) is committed to providing low cost high value events for biomedical professionals and the local community. We are able to keep our costs low by utilizing a registration system that incurs minimal administrative overhead expenses and minimizes excess time and effort spent by our volunteers to bring you these events. Please help us continue providing low cost quality programs to you by using the system that works well for us. If you do not wish to use the registration system to preregister, you may attempt to register at the event, however seating is limited therefore entrance and/or food cannot be guaranteed. Also, due to the nature of the low pricing scheme and the registration system used, we are unable to perform refunds.