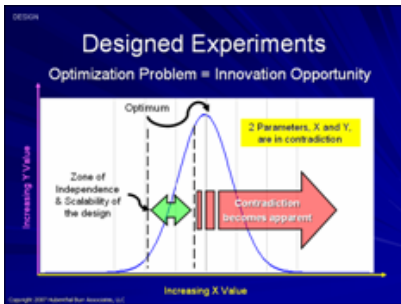




ASME PROFESSIONAL DEVELOPMENT SEMINAR "Design Optimization"



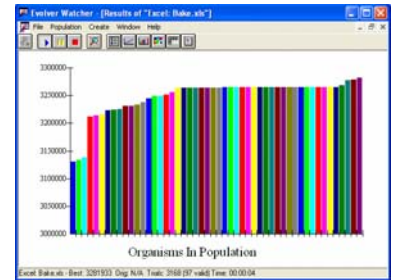
Metin Ozen, President and CEO, Ozen Engineering Inc
Scott Bur, Six Sigma Master Black Belt, Hubenthal Burr Associates, LLC



Location: Santa Clara, CA
Saturday, June 6, 2009

ASME or SVEC member: \$50 per person
Non-Member: \$69 per person
Student, Unemployed, or Retired Member: \$30

ATTEND IN-PERSON or BY WEBINAR



Genetic Algorithm

ABSTRACT

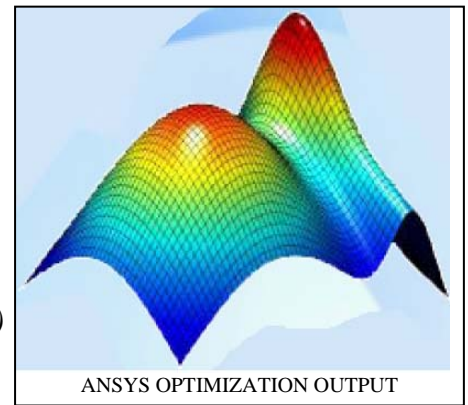
You will see the many sides of optimization as a sample of applications are presented including the use of Finite Element Analysis, Genetic Algorithms, Monte Carlo Analysis, Design of Experiments, Robust Design Optimization and even a conceptual, non-computational approach that has been as or more effective than traditional numerical approaches.

PARTICIPANTS WILL RECEIVE:

- Open source Monte Carlo Analysis plug-in for Excel (2003/2007)
- Open source Genetic Algorithm for Excel (2003/2007)

YOU WILL LEARN...

- Use of Finite Element Analysis for Optimization (ANSYS software demo)
- Principles and application of Robust Design Optimization
- Use of Genetic Algorithms in excel (Evolver & open source plug-in demo)
- Basics and Use of Monte Carlo Analysis (open source plug-in demo)
- Basics of Designed Experiments(DOE) (ANSYS & Minitab demo)
- Non-computational methods to Optimization for Conceptual Development
- Cross comparison of techniques: how they differ and relate to each other



ANSYS OPTIMIZATION OUTPUT

WHO SHOULD ATTEND: Professionals responsible for Optimization, Design Engineers, Mechanical Engineers, Electrical Engineers, Consultants, Manufacturing Engineers, Users of Finite Element Software, Mechanical Engineering Supervisors, Unemployed Engineers and Technical Engineering Supervisors & Managers.

REGISTER & PAY NOW

- Acteva (Credit Card Service) ✂
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Payment must be received prior to the seminar and will not be accepted at the door.

Design Optimization

Name _____ Company _____

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Attend in Person Attend online

I can provide proof of membership (Circle one) Yes No; I eat vegetarian when it is provided