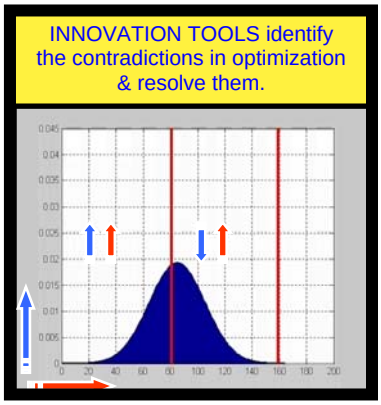
ASME PROFESSIONAL DEVELOPMENT SEMINAR

Sponsored by the ASME, Santa Clara Valley Section and North American Pacific District.



"Design for Six Sigma & Basic Innovation Skills"

SPEAKERS

Scott Burr, Certified Six Sigma Black Belt, Hubenthal Burr Associates

Dr. Metin Ozen, Principal, Ozen Engineering, Inc.

Saturday, June 16, 2007

9:00 am – 4:00 pm

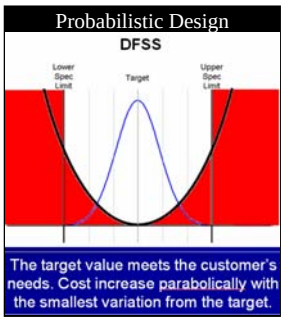
Santa Clara University

ASME or (any) Engineering Society Member: $75 per person

Non-Member: $225 per person

Student or Unemployed or Retired Member: $35

All attendees will receive a catered lunch, and break snacks/drinks will be a part of your seminar experience.



SEMINAR ABSTRACT

Six Sigma and Design for Six Sigma (DFSS) are credited for improving the performance of products and the profitability of leading organizations such as General Electric, Allied Signal, and Motorola since its inception.

Now, DFSS is evolving. By incorporating 60 years of research into what makes people and companies more innovative, industry leaders are developing new ways to improve how high–payoff but marginal design concepts are made feasible and are integrating it into Design for Six Sigma. Learn about the methods for improving the performance of your product, for resolving contradictory requirements and for eliminating tradeoffs.

Learn about the tools and methods of Design for Six Sigma and why optimization, reduction of variation, and resolution of contradictions can improve design performance.

YOU WILL LEARN…

- *The Basic principles of DFSS*
- *The Basic Innovation Skills tool set and advanced concept development*
- *How to resolve contradictions to improve performance*
- *Patterns of thinking used by great inventors and problem solvers*
- *The advantage of Probabilistic design versus Deterministic approach*
- *The relationship between design choice and process outcomes*
- *The role of variation and tolerancing in design and process decisions*
- *The role of simulation in design and process engineering*
- *Engineering Applications of Six Sigma and Basic Innovation Skills*
- *Demo of ANSYS Probabilistic Design Solution and MINITAB Statistics software*

WHO SHOULD ATTEND

Electrical Engineers, Chemical Engineers, Mechanical Engineers, Design Engineers, Aerospace Engineers, Manufacturing Engineers, Reliability Engineers, Quality Engineers, Six Sigma and Lean Practitioners, Consultants, Stress Analysts, Technical Engineering Supervisors or Managers, Users of Finite Element and Statistical software.

2 WAYS TO PAY

1. **Acteva** (Credit Card Service)

http://www.acteva.com/go/asmescvs

2. **Mail in Form** must be received on the day before the seminar.
   - Check or Money order

- Call or email Registrar:
  - **408-480-6540**
  - **jttiamzon@yahoo.com**

Send payment to: ASME Professional Development Chair, P.O. Box 611865, San Jose, CA 95161-1865

Payment must be received prior to the seminar and will not be accepted at the door.

Design for Six Sigma & Basic Innovation Skills

Name_____Company_____

Address_____ Title_____

City_____ State _____ ZIP _____ Day

Email_____Phone_____ASME member #_____

ASME PROFESSIONAL DEVELOPMENT SEMINAR
Saturday June 16, 2007

Design for Six Sigma & Basic Innovation Skills

Mr. Scott Burr, Distinguished Speaker
Hubenthal Burr Associates, Principal Innovation Consultant and Six Sigma Black Belt

Scott Burr is a Co-founder and Certified Six Sigma Black Belt for Hubenthal Burr Associates (HBA), a consulting firm that works with scientists, engineers, and business leaders to solve highly constrained problems helping them gain more predictable access to their talents while dispelling the myth that innovation cannot be taught or managed. Mr. Burr is a leader in the evolving field of Structured Innovation and its integration into Design for Six Sigma.

Prior to joining HBA, Scott worked at Space Systems/Loral (SSL) for 8 years, as a process improvement specialist and process manager. He was a key player in leading the electronics manufacturing area to improve productivity by a factor of five in five years by incorporating lean manufacturing, six sigma and structured innovation strategies in a challenging high-reliability environment. During his time at SSL, he pioneered several key design and process innovations that increased design performance while eliminating defects.

With 23 years of total experience, Scott has held various positions in other industries such as Quality Manager at Rain Bird Consumer Products, Manager of Manufacturing at US Computer Systems, and Mechanical Engineer in the machine tool industry. Mr. Burr's fascination with the relationships between innovation, design, reliability, manufacturing process performance and people has spanned his career. His team and individual efforts have booked millions and millions of dollars in savings for his clients and his companies.

Scott received a B.S. degree in Mechanical Engineering from Stanford University and later earned his certification as a Six Sigma Black Belt from the Juran Institute. His is currently working to complete his Master Black Belt certification.

Scott's personal interests include the ancient religions of Hawaii. He travels frequently to the Big Island to conduct his research and to enjoy the natural beauty.

Dr. Metin Ozen, Distinguished Speaker
Ozen Engineering Inc. - Principal

Dr. Metin Ozen is currently operating a high technology consulting firm, Ozen Engineering, performing advanced multi-physics Finite Element Analysis for his clients and is an ANSYS Channel Partner. He is a leader in Silicon Valley in applying simulation technology and finite element analysis.

Dr. Metin Ozen received a BS Mechanical Engineering and MS Applied Mechanics degrees from Lehigh University and a PhD from University of Connecticut in Applied Mechanics.

Metin brings with him 25 years of experience in Applied Mechanics. He has provided key technical support, training, and consulting work for ANSYS and CFDRC software in the Bay area. He has taught classes throughout the country on topics such as MEMS, Fracture Mechanics and Fatigue, Ball Grid Arrays (BGA's), Heat Transfer, Dynamics, CFD using Flotran, Electromagnetics, and Finite Element Methods. In 2001-2002, Dr. Ozen served as the Chair of the Silicon Valley chapter of ASME. He is an ASME Fellow, honoring his contributions to Mechanical Engineering.

Metin's personal interests include the archaeological and historical places in Turkey and he has a professional tour guide license from Turkish Ministry of Tourism. He is also a photographer; some of his pictures were on display at the 1999 Filoli Annual Art Exhibit. Metin Ozen has been in the US since 1979 and he is a naturalized US citizen.