Robust Designs in a Rapid Product Development Environment

Dr. Andreas Vlahinos

Advanced Engineering Solutions
www.aes.nu

Hands-On Workshop:

XEROX 2007 Modeling and Simulation Conference
Webster NY
October 2007

Abstract:

Discussion topics of this workshop will focus on engineering quality into designs using Design Explorer.   Strategies for working with CAD, FEA and CFD parameters, sensitivity, feasibility, optimization and Design for Six-sigma studies will be demonstrated with real world example.

Some of the learning outcomes of the workshop are:

- Know how to use simple graphical techniques to analyze multi-objective study data

- Perform automated design space exploration

- Optimize automatically the design for a set of performance attributes

- Design for a desired sigma quality level