

Design Exploration and Optimization Workshop

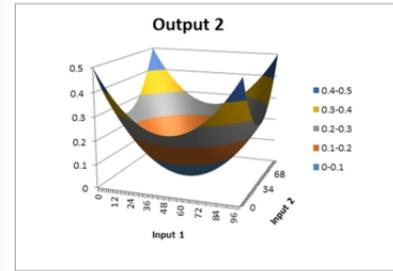
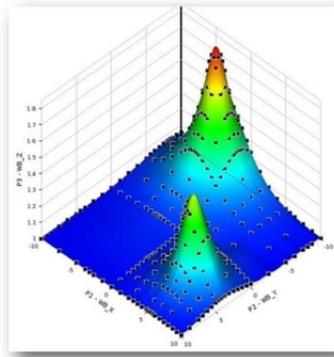
Introduction

Design Exploration of a given design should ideally quantify the influence of design variables on the performance of the product in an exhaustive manner. By doing so, the right decisions can be made based on accurate information, even in the event of an unexpected change in the design constraints.

Design of Experiments (DOE), combined with response surfaces provide all of the information required to achieve Simulation Driven Product Development. Once the variation of the performance with respect to the design variables is known, it becomes easy to understand and identify all changes required to meet the requirements for the product. Once the response surfaces are created, the insight can be shared in easily understandable terms: curves, surfaces, sensitivities, and so on. They can be used at any time during the development of the product without requiring additional simulations to test a new configuration.

Workshop Highlights

- identify the relationship between the performance of the product (maximum stress, mass, fluid flow, velocities) and the design variables (dimensions, loads, material properties).
- identify the key parameters of the design and how they influence the performance.
- use these results, to influence the design so as to meet the product's requirements
- best practice guidance that will help you achieve optimal performance out of your structural mechanics and fluid dynamics simulations.
- guidelines on CPUs, GPUs, parallel processing, interconnects, disk storage, as well as remote solving and licensing.



Workshop Dates for September & October 2017

Date	Time	Registration
22-Sep-2017	2pm to 5pm	Click Here
27-Oct-2017	2pm to 5pm	Click Here

Venue

CAD-IT Consultants (Asia) Pte Ltd,
159 Sin Ming Road #03-05 Amtech Building,
Singapore 575625

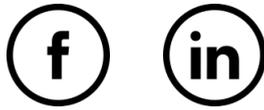
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Trainer Profile



Hari Hara Sudhan is currently the Applications Engineer for CAD-IT Consultants and part of a technical team that consists of more than 4 other PhDs consultants that support customers in various discipline domains.

He completed his Master of Science in Mechanical in National University of Singapore with his coursework focused on Design and Manufacturing. He specialized in structural simulation, and is currently providing consulting and post-sales technical support on ANSYS Workbench, Mechanical and nCode fatigue tool.



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