



## Design Optimization and HPC Workshop

**Friday, 12th May 2017 | 2:00 pm - 5:00 pm**

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

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### Introduction

**An Introduction to the use of parallel processing for greater speed and productivity.**

- Do you feel constrained in your simulation usage due to excessively long computational solving times?
- Do you want to leverage computational capacity to achieve faster turnaround times in a better way?
- Do you want to get higher fidelity insight from a larger or more complex simulation model?
- Are you wondering what hardware to buy?

If the answer is **YES**, then you should definitely attend this Test Drive!

You will receive best practice guidance that will help you achieve optimal performance out of your structural mechanics and fluid dynamics simulations. Guidelines will be given on CPUs, GPUs, parallel processing, interconnects, disk storage, as well as remote solving and licensing.

Benefits of using ANSYS High Performance Computing (HPC) Solutions:

- Enables the creation of large, high-fidelity models that yield accurate and detailed insight into the performance of a proposed design.
- High-fidelity simulations allow engineering teams to innovate with a high degree of confidence that their products will meet customer expectations - because their realistic simulations are predicting the actual performance of the product under

real-world conditions

- Enables greater simulation throughput - using HPC resources, engineering teams can analyze not just a single design idea, but many design variations. By simulating multiple design ideas concurrently, R&D teams can identify dramatic engineering improvements early in the design process, prior to and more effectively than physical prototyping alone



### 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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