

# ANSYS CFD Workshop

## Introduction

Computational fluid dynamics (CFD) is an engineering method for simulating the behaviour of systems, processes and equipment involving flow of gases and liquids, heat and mass transfer, chemical reactions and related physical phenomena.

ANSYS offers the most complete suite of advanced CFD software tools available to help you achieve unprecedented productivity. With unrivaled modeling capabilities and integrated tools for design optimization, ANSYS truly enables Simulation Driven Product Development™.

## Objectives

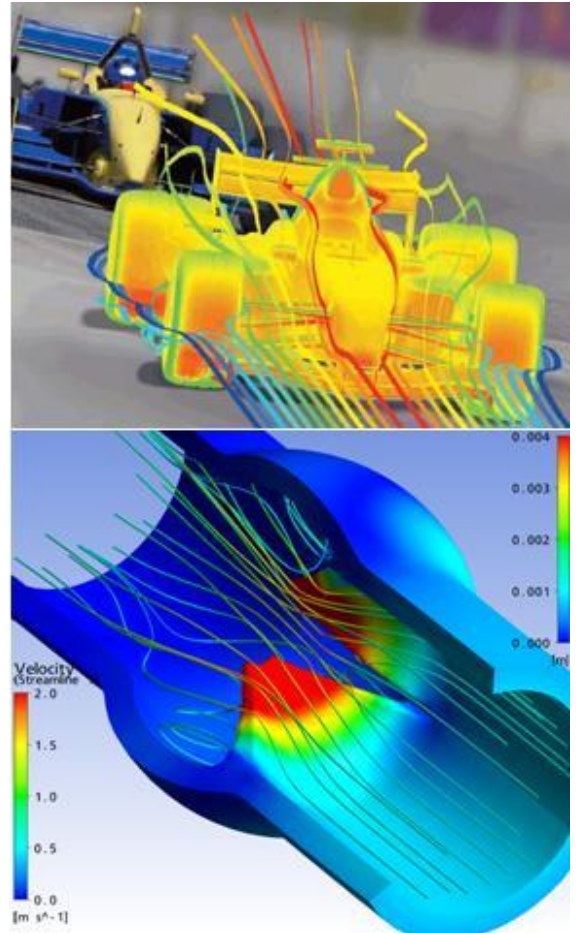
The aim of this workshop is to inform engineers across all domains about the practical uses of CFD, and to showcase the Power and the Ease of Use of ANSYS CFD solutions.

## Who Should Attend

- Engineers who want to find out more about ANSYS CFD solutions
- Engineers who want to integrate CFD into their simulations
- Technical/ Engineering Managers overseeing CFD projects

## Agenda of Workshop

- ANSYS CFD solutions
- Live demo
- Hands-on session



## What Others Had to Say About ANSYS CFD

The accuracy and speed of the CFD simulations provided by ANSYS FLUENT makes it possible to exceed our clients' expectations.  
*-Shyam Dayanandan, Computational Engineering Solutions LLP*

ANSYS CFD software allowed us to input more realistic data such as rotational speed of the wheels as well as pressure of the gas canister, leading to a more realistic simulation of our car performance for our students to understand the pressure and velocity profiles of the car.

*-Kenneth Tan, Henderson Secondary School*

By using ANSYS FLUENT and performing a detailed analysis of the simulation results, Kranji Solutions have provided the client with more confidence and understanding of their proposed cyclonic vessel design.

*-Michel van Vorselen, Kranji Solutions Pte Ltd*

For the analysis of flow behaviour of a cyclone-filter device, ANSYS FLUENT is used to calculate the velocity field, pressure field and pressure drop, as well as to visualize the particle trajectory. ANSYS FLUENT enabled us to reduce calculation time, adjust the design with flexibility, and verify our experimentation results.

*-Perapong Tekasakul, Prince of Songkla University*

## Workshop Information

Date	: 20 December 2011
Time	: 2.00 pm - 5.00 pm
Venue	: 159 Sin Ming Road, #03-05 Amtech Building, Singapore 575625 ( <a href="#">view map</a> )

- This workshop is **free of charge**.
- CAD-IT Consultants reserves the right to cancel or postpone any event due to unforeseen circumstances.
- To register, please click [here](#).

For enquiries, please call 6508-7575 or email to [caditevents@cadit.com.sg](mailto:caditevents@cadit.com.sg).

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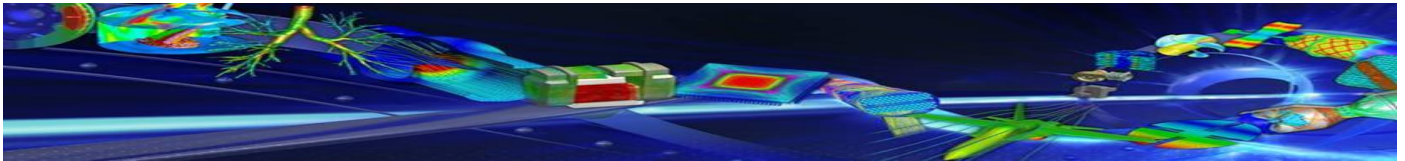
### About CAD-IT Consultants

Formed in 1991, CAD-IT Consultants (Asia) Pte Ltd is a leading **ISO 9001:2008** certified PLM and education provider in Asia providing world-class solutions that enable companies to achieve greater product innovation, quality and productivity with reduced lead time and costs. Our priority is in building mutually successful and long term partnerships with our customers and partners.

CAD-IT has received more than 60 International Awards for marketing/ service excellence. Among its most recent accolades are the Asia Pacific Entrepreneur Award (APEA) - Outstanding Entrepreneur Award 2010, APEA Most Promising Entrepreneur Award 2009, the Singapore Prestige Brand Award (SPBA) - Established Brand Award 2010 and 2009, and the Singapore SME 1000 Company 2011.

CAD-IT Consultants' suite of PLM solutions include ANSYS (Multiphysics FEA/CFD), Enight (Extreme Visualization), Goldfire Innovator (Innovation Process Management), Cortona3D (3D Technical Documentation), SpaceClaim (3D Direct Modeler), Mentor Graphics Valor DFM & Valor MSS (Complete Manufacturing Execution Suite), DEFORM (Metal Forming CAE) and Autodesk Moldflow (Plastics CAE).

Since February 2010, CAD-IT is honored to partner the Singapore Workforce Development Agency (WDA) to offer Advanced Certificate courses in PLM and Engineering Simulation, under the Workforce Skills Qualifications (WSQ) framework, with the charter to upgrade the technological capabilities of organizations in Singapore so as to enable them to undertake higher value-added design, engineering, manufacturing and R&D activities.



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