



## ANSYS CFD for MedTech Industry

### Introduction

Ninety-six percent of the top 50 healthcare companies in the world are using engineering simulation and computer-based models routinely. Leading medical device companies are realizing that a large fraction of their engineering force should be using simulation regularly.

The FDA and other regulatory authorities encourage the adoption of computer models and simulation (CM&S) — also known as the “in silico” approach — to accelerate the approval process. However, many companies are still unsure of how best to adopt and deploy this technology.

### Objectives

This Workshop provides updates on

- Recent trends in fluids, structural and electromagnetic simulation application in healthcare industry
- Hands-on demonstration on how CFD simulation can be applied to healthcare devices and physiological flows

### Who Should Attend

Engineers, Directors, Managers, Researchers in the MedTech Industry



### Presenter Profile



Shital Joshi is working as Senior Technical Manager at ANSYS Inc. Shital has been with ANSYS for more than 15 years. In his current role, Shital interacts with customer from different industry background for simulation adoption by communicating and educating customers about value brought by engineering simulations. Shital has in-depth experience in healthcare domain with focus on pharmaceutical applications. Through several publications, Shital has developed numerical approaches for efficient drug manufacturing. Shital and his team has participated in establishing simulation best practices for modeling medical devices aiming at using CFD and FEA simulations for regulatory approvals.

### Workshop Information

Date : 4th December 2015 (Friday)  
Time : 1:30 pm - 5:00 pm  
Venue : CAD-IT Consultants (Asia) Pte Ltd  
159 Sin Ming Road, #03-05, Amtech Building, Singapore 575625 ([view map](#))

**Register NOW**

Agenda	Time	Activity
	1:30 pm - 2:00 pm	Registration
	2:00 pm - 2:45 pm	Presentation : Recent trends in fluids, structural and electromagnetic simulation application in healthcare industry
	2:45 pm - 3:00 pm	Break
	3:00 pm - 5:00 am	Hands On Session

- CAD-IT Consultants reserves the right to cancel or postpone the event due to unforeseen circumstances.

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

### About CAD-IT Consultants

Founded in 1991, CAD-IT is a leading global ISO 9001:2008 certified Product Life Cycle Management (PLM), manufacturing and education provider. CAD-IT's mission is to provide world-class solutions and services that enable companies and their supply chains to achieve greater product innovation, quality and productivity with drastically reduced time-to-market and costs.

CAD-IT is honored to have received over 80 international and national awards since its inception for marketing and service excellence. Among its most recent accolades are the Singapore Enterprise 50 Award (2015, 2014, 2013, 2012), Singapore SME 1000 (2014, 2013, 2012, 2011), Asia Pacific Entrepreneur Award (APEA) - Outstanding Entrepreneur Award (2012, 2010, 2009), the Singapore Prestige Brand Award SPBA - Established Brand Award (2012, 2011, 2010, 2009), SPBA - Regional Brand Award 2012 and SPBA - Hall of Fame 2012.

CAD-IT Consultants' suite of PLM solutions include ANSYS (System-level, Multiphysics Simulation), Goldfire Innovator (Innovation Process Management), Moldflow (Plastics CAE), Stampack (Sheet Metal Forming), Deform (Bulk Metal Forming CAE), SpaceClaim (3D Direct Modeler), Mentor Graphics Valor DFM (Design For Manufacturing), Valor MSS (Complete Manufacturing Execution Suite) and Cortona3D (3D Technical Documentation).

Since February 2010, CAD-IT has partnered 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 high value-add design, engineering, manufacturing and R&D activities.



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