



Workshop on Fracture Analysis

Friday, 10th March 2017 | 9:00 am - 12:00 pm | Fee: Free

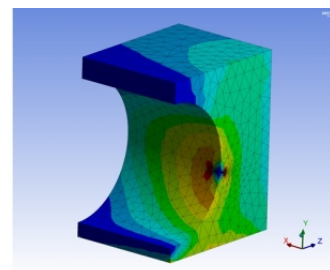
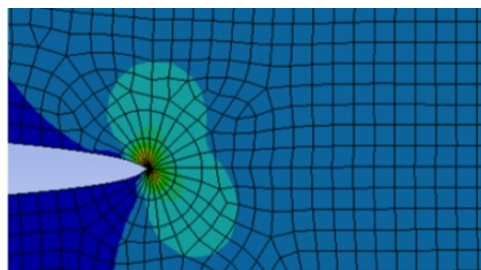
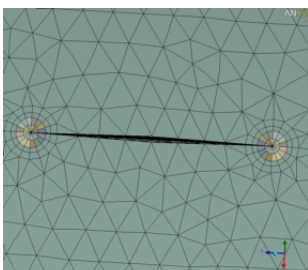
CAD-IT Consultants (M) Sdn Bhd,
607, Block A, Kelana Centre Point,
Jln SS7/19, Kelana Jaya, 47301, Petaling Jaya, Selangor
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Introduction

Cracks and flaws occur in many structures and components for several reasons. The material may be inherently defective. Cracks may be introduced during the manufacturing stage, or later as a result of environmental conditions. The presence of such cracks or flaws can significantly degrade the structural integrity of a component under the action of applied loads and environmental conditions.

Fracture mechanics uses concepts from applied mechanics to develop an understanding of the stress and deformation fields around a crack tip when a crack is present in a structure. A sound knowledge of these stress and deformation fields helps in developing fail-safe and safe-life designs for structures. Such fracture-mechanics-based design concepts are widely used, but are not limited to, the fields of nuclear, aerospace, civil, and mechanical engineering.



Workshop Objectives

In this workshop, you will have :

- an insight of fracture analysis workflow in ANSYS Mechanical
- a hands-on opportunity on solving fracture analysis and case studies
- have a discussion on your specific application

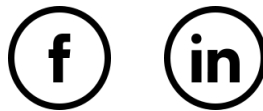
Who Should Attend?

- R&D engineers / Engineering managers who are interested in fracture analysis

Presenter 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 is an expert and has many years of experience in hydrodynamic analysis. He completed his Master of Science in Mechanical in National University of Singapore with his coursework focused on Design and Manufacturing.



CAD-IT Consultants (M) Sdn Bhd

607, Block A, Kelana Centre Point, Jln SS7/19, Kelana Jaya, 47301, Petaling Jaya, Selangor

Tel: (603) 7806 4758 Fax : (603) 7806 4760

email: caditevents@cadit.com.sg

<http://www.cadit.com.sg>

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