



Simulating Erosion Accurately with CFD

Friday, 9th June 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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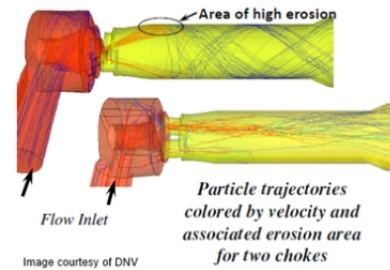
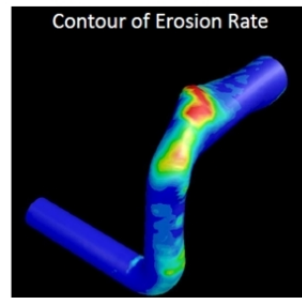
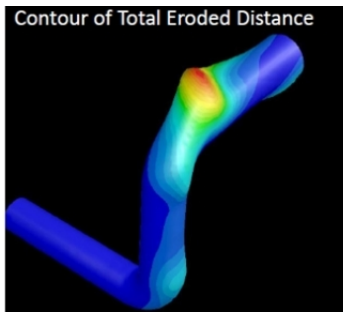
Introduction

Simulating sand erosion in oil and gas applications is critical to ensure high equipment reliability. Accurate predictions of the effects of sand erosion require the ability to simulate multiphase flows, transport of solid particles (sand), wall impingement and wall erosion (removal of material from the wall).

Workshop Objective

In this workshop, you will learn how ANSYS can simulate pipe erosion accurately based on:

- Validated single-phase and multiphase modeling capabilities for any type of oil and gas flow
- Validated solid-particle flow modeling capabilities for a wide range of sand particle sizes and loadings
- A wide array of industry-accepted erosion models, as well as the ability to include your proprietary erosion model if needed
- The ability to deform the pipe wall if erosion is affecting the flow pattern



Who Should Attend

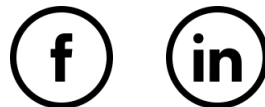
Managers & engineers from the oil & gas industry.

Presenter Profile



Dr Lee Yong Jiun is a Technical Manager with CAD-IT. He graduated from National University of Singapore with a PhD in Mechanical Engineering. His Research Focus was on Thermal management in Electronics, primarily using ANSYS solutions.

Dr Lee was with the Institute of Microelectronics and served as Project Leader to design, fabricate and characterize a package level thermal management solution. He has also worked for INTEL Technology as Assembly Technology Development Engineer, where his primary responsibility of the job was to develop a robust flip chip assembly process for Intel next generation chipsets. Dr Lee is responsible for the technical support of ANSYS CFD solutions.



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