

**COMPUTER & SOFTWARE
COMMERCIAL CENTER
(CompuSOFT)**



Is pleased to announce

A Training Seminar on

**Introductory Finite Element
Analysis Course using**

**ANSYS
(5days)**

Trainer: Dr. Ismail Z Jalisi

At DAMMAM

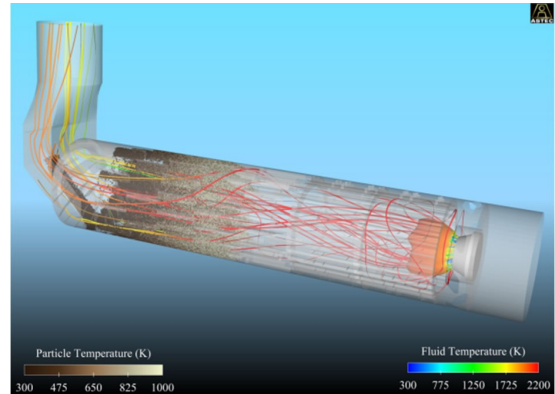
14th - 18th Jan 2012

Timings: Saturday - Wednesday
8:00 AM to 5:00 PM

COURSE FEE: US \$ 2,500

Computer & Software Comm. Center
P.O. BOX 12482, DAMMAM, 31473, KSA
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**A Condensed Introduction to Finite
Element Analysis Using the ANSYS
Suite of Products,**

ANSYS Design Model Introduction.

Introduction to ANSYS Mechanical

**ANSYS Meshing Introduction ANSYS
Mechanical APDL Modeling .**

ANSYS Classic Overview.

**If you want to be a skilled user of
ANSYS and also become a better
engineer, register today.**

Who Should Attend?

Engineers, Designers and Managers looking to drive forward virtual prototyping, leveraging advance engineering methodologies to attack cost.

Attendees must have a sound grasp of basic engineering concepts and be happy with theoretical concepts such as stress, strain etc.

How The Course Will Help You?

* Create and modify geometry in preparation for analysis

*Generate 2D sketches and convert them into 2D or 3D models

- * Modify 2D and 3D geometry
- * Import existing CAD geometry
- * Create line models for use in beam analysis
- * Create surface models for use in shell analysis
- * Model assemblies
- * Utilize parameter
- * Use Workbench Design Simulation to understand the characteristic behavior of your structure.
- * Use Workbench Design Simulation to optimize the design of your structure.
- * Create a comprehensive report to distribute to customers and colleagues.
- * Execute basic and complex analysis the Workbench environment using both the GUI and APDL.

Course Outline

Day 1:

- * Introduction
- * Graphical User Interface
 - * Sketch Mode
 - * 3D Geometry
- * Working with CAD
- * Parametric Modeling.

Day 2:

- * Introduction
- * Mechanical Basics
- * ANSYS Mechanical Basics
 - * General Preprocessing
 - * Static Structural Analysis

Day 3:

- * Static Structural Analysis
 - * Vibration Analysis
- * Linear Buckling Analysis
 - * Results Post-processing
 - * CAD & Parameters

Day 4:

- * Introduction to Workbench
- * Meshing Application Overview
- * Meshing Methods for 3D Geometries
 - * Common Meshing Application Controls
 - * Tetrahedral Meshing
 - * Sweep Meshing
 - * Multizone Meshing
 - * Meshing 2D Geometries

Day 5:

- ANSYS Mechanical APDL Modeling
 - * Material Modeling
 - * Boundary Conditions
 - * Working with Elements
 - * Static Structural Analysis
 - * Beam Modeling
 - * Post-processing

About the Trainer:

Dr. Ismail Z Jalisi

M.Eng. Ph.D. A.C.G.I. D.I.C. C.Eng. M.I.Mech.E.

M.Eng. (Hons) , Imperial College, 1997

Technical Expert on Finite Element Analysis, Tribology & Physics of Failure

Dr Jalisi is a professional engineer with experience in the Oil, Gas & Petrochemical industries, as well as across a range of other sectors. He has dealt with problems on a consultative basis from both industrial and academic perspectives. Dr Jalisi has reviewed system architectures, advised on technology adoption as well as worked on sub-systems in a number of industries. His strong academic background and sound engineering judgment has enabled him to advise clients in accordance with governing regulations, both local and international, in the Petrochemical industry.

Application Form

Course: **A condensed Introduction to Finite Element Analysis using**

ANSYS

(5 days)

14th to 18th Jan 2012

Venue: **Al-Hamra Golden Tulip Hotel – Dammam**

Trainee Name : _____

Job Title : _____

Degree : _____

Company : _____

Address : _____

City : _____

Phone : _____ Fax : _____

Email : _____

COURSE FEE: US \$ 2,500

Approved By : _____

Authorized Signature : _____

Date : _____

The course is limited to 12 persons only

- 1.Fee Includes: Seminar fee, Course notes, Lunch, Coffee/Tea breaks and Snacks.
- 2.Fax or mail the complete Application form to make your reservation
- 3.Payment must be made in full 10 days before the start of the course.
- 4.We reserve the right to cancel the course if the minimum enrollment has not been reached. Full refund will be made in such case.

Contact Person:

Hosam Abbas

Training Manager

Computer & Software Commercial Center

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