Advanced Fluent training: Combustion, Turbulence and Heat Transfer

Day1:

ANSYS FLUENT Advanced Combustion

Course Description

This one day advanced training course on Advanced Combustion Modeling using ANSYS FLUENT is designed for existing users of ANSYS FLUENT and will cover the following topics:

- Introduction to combustion modeling
- Gas phase combustion models
- Additional physical models in ANSYS FLUENT
  - discrete phase models
  - radiation models
  - pollutant models
- Combustion modeling case studies
- Combustion modeling strategies

The advanced combustion modeling course also has several tutorials that the students can work through during class.

Day2:

ANSYS FLUENT Advanced Turbulence

Course Description

This one day advanced training course on Modeling Turbulent Flows with ANSYS FLUENT is designed for existing users of ANSYS FLUENT and will cover the following topics:

- Reynolds Averaged Navier-Stokes (RANS) modeling approach
- Low Reynolds number turbulence models in ANSYS FLUENT
- Large Eddy Simulation (LES) turbulence model in ANSYS FLUENT
- Near wall treatment options within ANSYS FLUENT
- Modeling turbulent flow problems with ANSYS FLUENT
- Turbulent flow examples

The advanced turbulence modeling course also has several tutorials that the students can work through during class.
Day3:

ANSYS FLUENT Heat Transfer

Course Description

This advanced training course on heat transfer modeling using ANSYS FLUENT is designed for existing users of ANSYS FLUENT and will cover the following topics:

- Introduction
- Natural and forced convection
- Conduction
- Radiation
- Solar load modeling
- FLUENT heat exchanger model

The advanced heat transfer modeling course also has several tutorials that the students can work through during class.

Prerequisites

- Completion of the Introduction to ANSYS FLUENT course is required.
- Experience with ANSYS FLUENT is strongly recommended.

Fee: Rs 27,000/- + taxes for all three days.

If user wishes to attend only one day on any of the specified topics, then the fee for one topic is 9,000+ taxes

For more information / registration contact:
Email: india-register@ansys.com
Phone: 91-20-66522545 ; Fax : 91-20-66522600