physics on screen

ANSA / META for
advanced CFD applications

Training	ANSA / META for advanced CFD applications
Duration	2 days (16 hours)
Level	Advanced
Who should attend	CAE analysts who work on CFD applications and have experience with both ANSA and META.
Training description and objectives	This course is addressed to users already familiar with ANSA and META and has been designed to deepen the knowledge of the participants in pre- and post- processing for CFD with the ANSA / META suite. Upon the completion of this course, the participants will be able to perform and apply more advanced tasks in ANSA, such as: − meshing automation, − model comparison and updating, − morphing and hexablock meshing. In the end of META session, participants will be able to use the software in a more effective manner taking advantage of: − the automation tools, − the model comparison and reporting, and − overlaying (of one or more analyses) capabilities of META .
Prerequisites	Basic knowledge of ANSA and META for CFD is required.
Suggestions	It is recommended to that participants have already attended the "Introduction to CFD pre- & post- processing with ANSA and META " training course.
Language	English, Italian *ask for more languages*

Suggested topics
Day 1

ANSA session
    – Model checks
    – Watertight preparation
    – Model organization and comparison
    – Shell meshing
    – Shell mesh quality improvement
    – Model checks
    – Working with geometry and FE model mesh
    – Surface wrapping

Day 2

ANSA session
    – Volume meshing
    – Batch meshing
    – CFD decks
    – CFD user defined functions
    – Morph menu
    – Hexablock
 	
META session
    – Reports generation
    – Model comparison, overlay
    – Automation of procedures

Course content is subject to change without notice.
Course content may be adjusted to audience requirements or background.