

## ANSA and mETA-Post, Introductory Course

ANSA is the leading multidisciplinary pre-processor for FE and CFD applications, with extremely powerful geometry handling and meshing capabilities. This course will give a hands on introduction to ANSA, focusing on FE applications. The course may be extended also for basic CFD meshing on request.

**Prior knowledge:** The course is suited for users with a limited experience of the program that want an overview of the possibilities available in ANSA.

### Course outline:

- Introduction and application examples
- CAD clean up
- Modifying geometry and creating new geometry
- Part manager for efficient model organisation
- Surface meshing
- Volume meshing
- Batch meshing
- Mesh quality checking and improvements
- Manipulating and modifying orphan FE-mesh models
- FE input deck set up and model checking
- Basic morphing of FE-mesh and geometry
- Basic post-processing with mETA-Post

Details regarding the extent and contents of the course are tailored according to the customer's needs. The course is given by the staff of Engineering Research Nordic AB. The number of accepted course attendees is limited to 12.

**Place:** Hotel Fars Hatt in Kungälv, 15 min north of Gothenburg. See <http://www.farshatt.se/>

**Date:** 12-13 Oct 2010

**Schedule:** The course begins at 09:00 the first day and at 08:30 the following day. The course ends at 17:00 the first day and at 16:00 the last day.

**Course fee:** Free of charge. The course includes course notes, lunches and refreshments.

**Registration:** Please send your registration to [course@erab.se](mailto:course@erab.se) at the latest two weeks before course start. Last minute registration might be possible if there are vacancies.

**Confirmation:** A confirmation will be sent out by e-mail upon registration.

**Cancellation:** Classes can be cancelled up to 10 days before course start if the number of attendees is too small. For cancellations by attendees received later than 30 September 2010 the attendee will be invoiced 500 SEK.

**Accommodation:** Please book your hotel accommodation by yourself latest 10th September. All other hotels within the Gothenburg area are fully reserved due to a medical congress. Use the keyword "ERAB" when booking the room.