Finite-Elemente-Berechnungen
Support & Training
Femap with NX.NASTRAN, CODE-ASTER

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Course SALOME and CODE-ASTER for beginners and nearly-beginners

A 4-days Introductory Course to Salome and Code-Aster will be held from Monday 28 to Thursday 31 of January 2013. The Workshop is organized by and located at Ingenieurbüro für Mechanik.

Content of the Course

The course is intended for engineers concerned with design and mechanical simulation. Pre- and Postprocessing with Salome and the basics for preparing, executing and postprocessing linear mechanical and nonlinear contact analyses with Code-Aster are treated. The most common element types and Load and Boundary conditions of Code-Aster are taught as well how to define materials and properties.

Preprocessing using Salome
- Importing and/or creating/manipulating geometry
- Importing and/or creating/manipulating meshes
- Grouping nodes and elements
- Managing Analysis Cases

Analysis types:
- Linear static
- Eigenmodes
- Linear buckling
- Nonlinear Static with Contact (Basics)

Postprocessing
- Resu-File, Curve Plotting, Code-Aster Tables, Postprocessing with Salome

Special Aspects of Code-Aster:
- Code-Aster File types
- Syntax of Mesh- and Commandfile
- User-Documentation system
- node- and element groups
- using Code-Asters command editor EFICAS
- using Code-Asters job run platform ASTK
- Code-Aster-Concepts (Maillage, Modele, Champ, Resultat, etc.)

The workshops consists half and half of lessons and guided exercises.

Duration: 4 Days: Salome (1), Code-Aster Basic (2), Code-Aster Contact (1)
Language: English (german and italian if needed)

<u>Lecturer</u>   Dr.-Ing. Johannes Ackva
<u>Exercises advisor</u>   Dr.-Ing. Johannes Ackva, Jasiel Najera

<u>Installation Prerequistes</u>

Each participant has to bring his own Computer (Laptop or Desktop) with Salome-Meca installed on a Linux OS. After registration to the course we will inform You which version should be installed (generally the most recent). Be aware that Salome-Meca might require a 64 bit OS.

Please test the installation of SalomeMeca, executing any tutorial taken from www.CAELinux.com to be shure that Salome and Code-Aster both work OK. Salome can have graphic problems with non-NVIDIA graphic boards. During the seminar, there will be only few time to treat installation problems. If You are unexperienced with installation tasks, ask your administrator or ask on the forums at www.caelinux.com or www.code-aster.org, before (!) the seminar.

<u>Fee</u>   2000 € + 19% VAT (Mwst.)

VAT has not to be payed by european-nongerman participants who provide us their european VAT-ID.

Fee includes attendance to the seminar, 1 copy of a seminar short script (paper), 1 copy of amply commented command- and meshfiles (*.comm, *.mmed) covering exercises on seminar topics, refreshments (coffee), lunch.

<u>How to arrive</u>: Wassertrüdingen is situated in the South of Germany. Arriving by train: Reach the train station Gunzenhausen (coming from München, Nürnberg, Würzburg or north of Germany) or station Nördlingen (coming from Stuttgart). At the train station take a taxi. Arriving by car: Take the motorway exit „Ansbach" on motorway A6 (coming from Nürnberg) or exit „Dinkelsbühl/Fichtenau" on motorway A7. Then about 30 minutes to arrive at Wassertrüdingen. Arriving by plane: From airport Nürnberg/München/Frankfurt You will reach the station of Gunzenhausen by train within about 2 / 2.5 / 3 hours. From airport Stuttgart You will reach the station of Nördlingen by train within 2.5 hours.

<u>Hotel:</u> We recommand the „Seebauer Hotel Die Ente". Book using www.hotel.de or phone (0049 (0)9092 998-135). Take contact by phone or e-mail (d.kittsteiner@seebauer-hotel.de) if You need a transfer from train station Gunzenhausen or Nördlingen offered by the hotel for about 10 €.

The South of Germany is of valuable cultural and touristical interest. Even the closer region of Wassertrüdingen is worth of a some days post-seminar vacancy: Hiking in some sweet mountains, visiting in Springtime the frankonian sees (www.fraenkischeseen.de), some lovely and beautyful medieval small cities (Eichstätt, Wemding, Nördlingen, Dinkelsbühl . .) or the very famous „Romantische Strasse".

<u>Post-Seminar individual training days</u>

In the days following the seminar there is the opportunity to book individual training day(s) on topics of Your special interest. This is offered only in conjunction with the preceding seminar for a special dayly rate of 650€ per day. Please contact us if You are interested in special topics to discuss Your needs.

Registration Form for Course

SALOME and CODE-ASTER for beginners and nearly-beginners

Date: Monday 28 to Thursday 31 of January 2013
Location: Ingenieurbüro für Mechanik, Markgrafenstr. 21, D 91717 Wassertrüdingen

Please send this registration form after completion to Ingenieurbüro für Mechanik:

Fax: 0049 (0)9832 708153
e-mail: code-aster@code-aster.de

After receipt of Your registration we will send You an invoice. Only after payment your registration will be complete.

Cancellation conditions: Cancellation up to 4 weeks before 1st seminar day: free of charge. Cancellation up to 2 weeks before 1st seminar day: 25% of registration fee non-refundable. Cancellation up to 1 week before 1st seminar day: 50% of registration fee non-refundable. Cancellation after 1 week before first seminar day or no show at seminar: 100% of registration fee non-refundable

The participation in the seminar is at each participant's own risk. Any liability is excluded by the organizer.

If You require further information before registering, please contact us.

Name of Participant   _____

Organisation / Company   _____

VAT-ID of company   _____
(european non-german companies only)

e-mail adress   _____

Phone   _____

Fax   _____

Full address for the invoice

                             _____

Date and Signature   _____