First Circular for the 1st Geoscientific Abaqus Workshop from Oct. 4th to 6th 2006 in Bochum

Introduction

The 3-day workshop will discuss technical aspects of modelling with the finite-element software ABAQUS. The focus will be on methods and techniques to integrate typical geoscientific constrains, boundary conditions, loads, forces, and physical properties in a numerical model. These are often necessary when the modelled geoscientific processes depend for example on gravity, erosion, non-linear rheologies, or faults. Techniques discussed will be user subroutines, contact properties, and ABAQUS scripts.

The workshop will be organized in a way that it is possible to present scientific results involving ABAQUS on one hand and to learn and exercise new methods on the other hand. Therefore the submission of talks and posters presenting scientific results focusing on different modelling techniques and methods is encouraged.

In order to stimulate as much discussion and interaction as possible and due to the limited number of computers for the hands-on part of the workshop the number of participants is limited to 20 persons. We hope that you will join us in Bochum from October 4th-6th, 2006.

Details

Workshop format

The workshop will allow sufficient time for discussion and hands-on exercises. Therefore the workshop will have an open format with key-note lectures introducing 2-3 main topics followed by 2-3 short scientific presentations in the morning. The afternoons will be filled by hands-on exercises on computers. Posters will be on display during the whole meeting.

Dates, Location and Costs

Sessions will start at 9:30 on Wednesday 4th October 2006 and finish Friday October 6th 2006 at 12:30. The icebreaker-party will be Wednesday evening. Further information on the workshop including deadlines, registration and submission of abstracts can be found on the internet at http://www.geophysik.ruhr-uni-bochum.de/geoqus2006.

The workshop will take place in the Institute of Geology, Mineralogy and Geophysics of the Ruhr-University Bochum, Germany.

A fee of € 60 to € 170 has to be paid by the participants in advance to cover expenses of the workshop. This includes costs for an abstract volume, coffee breaks, the ice-breaker party and depending on your choice accommodation in a single or double room.

Organizer and Contact

The workshop is organized by Oliver Heidbach of the University Karlsruhe and Kasper Fischer of the Ruhr-University Bochum. Please use the following contact information if you have any questions regarding the workshop:

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Preliminary Programme

Each morning session will start with an introduction to a specific ABAQUS topic. The topics will be: 1) Including gravity in ABAQUS, 2) Using user defined subroutines, and 3) Defining contact surfaces and properties in ABAQUS.

Wednesday, Oct. 4th, 2006

     9:00 Arrival of the participants
     9:30 Morning session with presentations
  11:00 Coffee break
  11:30 2nd part of the morning sessions
  13:00 Lunch
  14:00 Afternoon session with exercises
  15:30 Coffee break
  16:00 2nd part of the afternoon session
  17:30 End of the session
  18:00 Icebreaker Party

Thursday, Oct. 5th, 2006

     9:00 Morning session with presentations
  10:30 Coffee break
  11:00 2nd part of the morning sessions
  12:30 Lunch
  13:30 Afternoon session with exercises
  15:30 Coffee break
  16:00 2nd part of the afternoon session
  18:00 End of the session

Friday, Oct. 6th, 2006

     9:00 Morning session with presentations
  10:30 Coffee break
  11:00 Morning session with exercises
  12:30 End of the Workshop
  13:00 Departure of the participants or sightseeing