

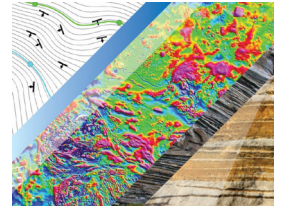
GeoModeller software training

Venue: University of Belgrade, Faculty of Mining and Geology,
Djusina 7 street, Belgrade, Serbia

Date: Tuesday and Wednesday, 16th & 17th June 2015

Host: Dragan Kaludjerovic, advancedgwt@gmail.com

Trainer: Helen Gibson, Intrepid Geophysics helen@intrepid-geophysics.com



Agenda

Day 1 Free Seminar : 9:00 to 10:30 Tuesday

PowerPoint 1: Overview of the capabilities of *GeoModeller* software

- Building 3D implicit surfaces of geology and structure
- Interpolation of numerical data from drilling
- Mesh management
- Geothermal
- Forward and inverse modelling of potential field geophysics
- Workspace Tour – *GeoModeller*
- END free seminar

Coffee break 10:30-11:00

Day 1 training continued : 11:00 to 17:00 Tuesday

11:00-12:00 **PowerPoint 2:** Introduction to 3D geology model-building

Exercise 1 (own laptops): Build a geo-located 3D model of the 'Mansfield Syncline' constrained by drilling and surface mapping

LUNCH 12:30-13:30

Continue Exercise 1: 'Mansfield Syncline'

PowerPoint 3: Building 3D faults in *GeoModeller*

Exercise 2 (own laptops): Add a fault network to your 'Mansfield Syncline' model

Day 2 training : 9:00 to 17:00 Wednesday

9:00-10:30 **Exercise 3 (own laptops):** Geo-locate an image of a regional geological cross-section and digitise data to further constrain your 'Mansfield Syncline' model

Coffee break 10:30-11:00

PowerPoint 4: Advanced drill hole data management in *GeoModeller*

Exercise 4 (own laptops): Add down-hole rock property data to your Mansfield Syncline model, and perform inverse distance interpolation (creating a new mesh for the entire model space)

LUNCH 12:30-13:30

Continue Exercise 4: Clip and mask the new mesh, and analyse the meta data of the mesh-fields

Demonstration: Strategies for building 3D geology models with unconformities and intrusions

16:30-17:00 Discussion and close of training

Specialising in Geophysical Processing and Interpretation Systems

Requirements : Free Seminar

No requirements to attend free seminar

Requirements : Training Course

Prior registration is required – please contact elise@intrepid-geophysics.com

Registrants must also attend the Free Seminar (full 2 days)

Please bring your own PC computer - for minimum specifications see <http://www.intrepid-geophysics.com/ig/index.php?page=faqs-getting-started>

Training inclusions:

Training in the *English* language

30-day *GeoModeller* software licences for each attendee

Hardcopy and electronic handouts

Copies of all models, data and PowerPoints

For further information about **GeoModeller** software. Please visit our website: www.intrepid-geophysics.com

For further software demonstrations, please visit our YouTube channel, for the Webinar Series of 2014

<https://www.youtube.com/channel/UCFsEsSLTONEYD7PhPgWDnQA>

About the presenter:

Helen Gibson gained an MSc in Geology (tectonics and thermal history modelling) from the University of Melbourne in 1993. Since early industry experience in gold exploration (2 years) and petroleum exploration services (thermal history modelling, 12 years), she has worked for the past 9 nine years at *Intrepid Geophysics* (Melbourne, Australia) in the roles of product development, consulting, software training, and most recently as Technical Sales Manager. She is an expert user of *GeoModeller* software and an experienced speaker.

https://www.researchgate.net/profile/Helen_Gibson2

Please feel free to contact Helen with any questions regarding this training event

helen@intrepid-geophysics.com

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