

## W30: Uncertainty in 3D modelling and inversion

<b>Coordinator(s)</b>	Mark Jessell
<b>Date(s)</b>	Fri, Sep 06
<b>Time</b>	08:45 - 16:45
<b>Location</b>	Crown Perth
<b>Summary</b>	This workshop will introduce the latest developments in 3D geological modelling and inversion, with particular reference to new workflows that enable us to characterise and analyse geological uncertainty in 3D. The hands on workshop will introduce the basics of 3D geological modelling and uncertainty analysis using an implicit modelling code.

### Schedule\*

<u>Topic</u>	<u>Speaker</u>
<b><u>Session 1</u></b>	
Introduction	<i>Mark Lindsay</i>
Integrated Interpretation	<i>Mark Lindsay</i>
Why study geological uncertainty?	<i>Mark Jessell</i>
Introduction to analysing geological uncertainty	<i>Evren Pakyuz-Charrier</i>
<b><u>Session 2</u></b>	
Demonstration: manual tuning, parameter sweeps and data uncertainties in 3D	<i>Mark Lindsay &amp; Evren Pakyuz-Charrier</i>
<b><u>Session 3</u></b>	
Intro to TOMOFAST	<i>Jeremie Giraud</i>
Introduction to petrophysical uncertainty & demo in 2D	<i>Jeremie Giraud</i>
Demonstration: Geophysical Inversion	
<b><u>Session 4</u></b>	

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#### Terms and conditions

\* Schedule subject to change

Workshops will proceed only if minimum numbers are reached, should a workshop be cancelled that you have paid and registered for, you will be notified and refunded the full amount. Should you wish to cancel a workshop, standard registration cancellation policy applies. Please refer to the AEGC conference website for registration cancellation policy and for further details on registration information <https://2019.aegc.com.au/>



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Group discussion & wrap up

*Mark Jessell & Mark  
Lindsay*

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