

UNCOVER CURNAMONA

Wednesday 26 July 2017
Broken Hill, New South Wales

SESSION 1 – Uncover Curnamona

Chair: Steve Hill, Director Geological Survey of South Australia

- 8.30 am **Opening remarks**
Steve Hill, Geological Survey of South Australia (GSSA), and Chris Yeats, Geological Survey of New South Wales (GSNSW)
- 8.35 am **A Broken Hill welcome: why mining is so important to Broken Hill**
Mayor Darriea Turley
- 8.45 am **An overview of the Curnamona: NSW perspective**
Chris Yeats, GSNSW
- 8.55 am **An overview of the Curnamona: SA perspective**
Steve Hill, GSSA
- 9.05 am **KEYNOTE – Broken Hill line of lode: mining, geology and its place in Australian history**
Tony Webster

SESSION 2 – Characterising the cover

Chair: TBA, Geological Society of Australia

- 9.30 am **Depth of cover in western NSW**
John Davidson, GSNSW
- 9.45 am **AEM of the Frome Embayment**
Camilla Sorensen, Commonwealth Scientific and Industrial Research Organisation
- 10.00 am **Exhumation through cover: Mesozoic sediments, basement gold and detrital zircon**
Anthony Reid, GSSA
- 10.15 am **Morning tea**

SESSION 3 – Current exploration projects: geology and exploration rationale

Chair: Chris Yeats, Executive Director Geological Survey of New South Wales

- 10.50 am **Perilya Limited, operations and exploration**
Dean Rogers, Perilya Limited
- 11.00 am **Tin mineralisation in the Mesoproterozoic Prospect Hill region, Northern Flinders Ranges; Recent drilling results and suggestions for tin exploration in South Australia**
Graham Teale, Teale & Associates Pty Ltd
- 11.10 am **Stratabound copper-gold deposits**
Chris Giles, Havilah Resources
- 11.20 am **The Maronan Pb-Ag deposit, Queensland: observations from a Broken Hill equivalent**
Rob Rutherford, Red Metal Limited

SESSION 3 (continued)

- 11.30 am **Broken Hill Ni-PGE project**
Matthew Noble, Impact Minerals
- 11.40 am **Cobalt deposits in the Thackaringa area**
Trangie Johnston, Broken Hill Prospecting Limited
- 11.50 pm **Lunch**
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SESSION 4 – Lithospheric architecture

Chair: John Greenfield, Director Geoscience Acquisition and Synthesis, Geological Survey of New South Wales

- 1.30 pm **AusLAMP overview**
John Greenfield, GSNSW
- 1.35 pm **The Curnamona conductivity anomaly**
Kate Robertson, GSSA
- 1.50 pm **MT in uranium systems of the Frome Embayment**
Stephan Thiel, GSSA
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SESSION 5 – Distal mineral footprints

Chair: Anthony Reid, Senior Principal Geoscientist, Geological Survey of South Australia

- 2.05 pm **KEYNOTE – Mineral systems of the Curnamona Province**
Roger Skirrow, Geoscience Australia
- 2.35 pm **Hylogging Broken Hill**
David Tilley, GSNSW
- 2.45 pm **Geochemical footprints of buried mineralisation: the utility of Cretaceous sediments of the Eromanga Basin**
Eline Baudet, University of Adelaide
- 2.55 pm **Afternoon tea**
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SESSION 6 – 4D geodynamic evolution and metallogenesis

Chair: Roger Skirrow, Principal Research Scientist, Geoscience Australia

- 3.20 pm **Neotectonic evolution and fault geometry of the Paralana Escarpment**
Jonathon Berthiaume, University of Adelaide
- 3.30 pm **Ordovician tectonism at Mt Painter: the evidence for and against**
Steve Hore, GSSA
- 3.45 pm **Delamerian geology and mineralisation in western NSW**
Phil Gilmore, GSNSW
- 4.00 pm **Metamorphic evolution of the Broken Hill Domain and economic implications**
John Greenfield on behalf of Joel Fitzherbert, GSNSW
- 4.15 pm **KEYNOTE – Australian Proterozoic geodynamics: implications for mineral systems?**
Prof. Martin Hand, University of Adelaide
- 4.45 pm **Concluding remarks**
Steve Hill, GSSA, and Chris Yeats, GSNSW
- 5.55 pm **Close**
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Note: presentations and times subject to change.