

# AGES 2019 program

## Day 1 Monday 18 March

17:30–19:30 Registration and Ice Breaker *Venue: Foyer area, Alice Springs Convention Centre*

## DAY 2 Tuesday 19 March

08:00–08:30 Registration

08:30–08:40 Welcome to Country

08:40–08:50 Minister Paul Kirby NT Government Official opening

### Session 1

08:50–09:20 Ian Scrimgeour NTGS Overview of mineral and petroleum exploration and production in 2018

09:20–09:40 Anna Mayo Todd River Resources Ltd Where there's smoke there's fire – perseverance and reward at the Mount Hardy Zn-Cu Project

09:40–10:00 Dot Close NTGS Highlights from precompetitive geoscience across Northern Territory geology

10:00–10:40 *Morning tea*

### Session 2

10:40–11:00 Tracey Rogers NTGS Geoscience information: What's new and what's ahead

11:00–11:20 Chantelle Lower Kirkland Lake Gold Ltd Lantern project update – realising opportunity through the use of numeric exploration technology

11:20–11:40 Yusen Ley-Cooper Geoscience Australia AusAEM\_1: One step towards a national conductivity map of Australia

11:40–12:00 Alister Trier DPIR Preparing for exploration: Post Hydraulic Fracturing Inquiry

12:00–13:20 *Lunch*

### Session 3

13:20–13:40 David Rawlings Core Lithium Ltd Update on the Finniss Lithium Project

13:40–14:00 Tim Munson NTGS Detrital zircon geochronology investigations of the Glyde and Favenc packages: Implications for the geological framework of the greater McArthur Basin, Northern Territory

14:00–14:20 Alan Collins University of Adelaide Life and times of the Proterozoic McArthur-Yanliao Gulf: Update on the ARC-Industry–NTGS Linkage Project

14:20–14:40 Sam Spinks CSIRO Ultra-high resolution trace element mapping provides new clues on the origin of the McArthur River (HYC) sediment-hosted Zn-Pb-Ag deposit

14:40–15:10 *Afternoon tea*

### Session 4

15:10–15:30 Gary Ferris Northern Cobalt Ltd Wollongorang Project: Review of 2018 exploration program

15:30–15:50 Teagan Blaikie CSIRO From source to trap. Geophysical insights into base metals mineralisation in the southern McArthur Basin

15:50–16:10 Marcus Kunzmann CSIRO The ca 1640 Ma Barney Creek Formation in the McArthur Basin: Targeting diagenetic mineralisation and depocentre shift

16:10–16:30 Heather Sheldon CSIRO An integrated study of the McArthur River mineral system: From geochemistry, geophysics and sequence stratigraphy to basin-scale models of fluid flow

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## AGES 2019 program *(continued)*

### DAY 2 Tuesday 19 March (continued)

16:30–17:20 Sundowner drinks *Venue: Courtyard area, Alice Springs Convention Centre*

18:30–19:00 Pre-dinner drinks *Venue: Foyer area, Alice Springs Convention Centre*

### AGES Official Dinner

19:00–late *Venue: Ellery Room, Alice Springs Convention Centre*

### DAY 3 Wednesday 20 March

#### Session 1

09:00–09:20	Lidena Carr	Geoscience Australia	Exploring for the Future: South Nicholson Basin region project outcomes and sequence stratigraphy
09:20–09:40	Susannah MacFarlane	Geoscience Australia	Source rock geochemistry and petroleum systems of the greater McArthur Basin and links to other northern Australian Proterozoic basins
09:40–10:00	Claudio Delle Piane	CSIRO	A multidisciplinary evaluation of the Velkerri Formation in the Beetaloo Sub-Basin: Implications for geological history and reservoir quality
10:00–10:40	<i>Morning tea</i>		

#### Session 2

10:40–11:00	Tania Dhu	NTGS	New geophysical and remote sensed data in the Northern Territory
11:00–11:20	Mike Whitford	Independence Group NL	Application of electrical geophysics to exploration at the Lake Mackay Project
11:20–11:40	Barry Reno	NTGS	The greenfield Grapple and Bumblebee discoveries of the western Aileron Province: First constraints on sulfide mineralising processes
11:40–12:00	James Davis	Prodigy Gold NL	Mapping under cover with geochemistry
12:00–13:00	<i>Lunch</i>		

#### Session 3

13:00–13:20	Christine Edgoose	NTGS	New insights into the Neoproterozoic to early Palaeozoic stratigraphy, structure and palaeogeography of the Amadeus Basin, Northern Territory
13:20–13:40	Julie Daws	Mossman Oil and Gas Ltd	Integration of reprocessing, depth imaging and interpretation in legacy data to provide new insights into salt tectonics and sub salt imaging in the Amadeus Basin, NT
13:40–14:00	Rob Bills	Emmerson Resources Ltd	The discovery and mining of the ultra-high-grade Edna Beryl Gold Mine – the trials and tribulations
14:00–14:20	Penny Sinclair	Vimy Resources Ltd	Refreshing the Alligator River Uranium Field exploration toolkit – Angularli and Such Wow
14:20–14:30	Ian Scrimgeour	NTGS	Closing remarks

### End AGES 2019