### 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  
  Wollogorang 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

*continued on next page*
### AGES 2019 program (continued)

#### DAY 2 Tuesday 19 March (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Venue</th>
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<tbody>
<tr>
<td>16:30–17:20</td>
<td>Sundowner drinks</td>
<td>Courtyard area, Alice Springs Convention Centre</td>
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<tr>
<td>18:30–19:00</td>
<td>Pre-dinner drinks</td>
<td>Foyer area, Alice Springs Convention Centre</td>
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#### AGES Official Dinner

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<thead>
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<tbody>
<tr>
<td>19:00–late</td>
<td>AGES Official Dinner</td>
<td>Ellery Room, Alice Springs Convention Centre</td>
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#### DAY 3 Wednesday 20 March

**Session 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Author</th>
<th>Affiliation/Institution</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00–09:20</td>
<td>Lidena Carr</td>
<td>Geoscience Australia</td>
<td>Exploring for the Future: South Nicholson Basin region project outcomes and sequence stratigraphy</td>
</tr>
<tr>
<td>09:20–09:40</td>
<td>Susannah MacFarlane</td>
<td>Geoscience Australia</td>
<td>Source rock geochemistry and petroleum systems of the greater McArthur Basin and links to other northern Australian Proterozoic basins</td>
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<tr>
<td>09:40–10:00</td>
<td>Claudio Delle Piane</td>
<td>CSIRO</td>
<td>A multidisciplinary evaluation of the Velkerri Formation in the Beetaloo Sub-Basin: Implications for geological history and reservoir quality</td>
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<tr>
<td>10:00–10:40</td>
<td>Morning tea</td>
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**Session 2**

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<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>10:40–11:00</td>
<td>Tania Dhu</td>
<td>NTGS</td>
<td>New geophysical and remote sensed data in the Northern Territory</td>
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<tr>
<td>11:00–11:20</td>
<td>Mike Whitford</td>
<td>Independence Group NL</td>
<td>Application of electrical geophysics to exploration at the Lake Mackay Project</td>
</tr>
<tr>
<td>11:20–11:40</td>
<td>Barry Reno</td>
<td>NTGS</td>
<td>The greenfield Grapple and Bumblebee discoveries of the western Aileron Province: First constraints on sulfide mineralising processes</td>
</tr>
<tr>
<td>11:40–12:00</td>
<td>James Davis</td>
<td>Prodigy Gold NL</td>
<td>Mapping under cover with geochemistry</td>
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<tr>
<td>12:00–13:00</td>
<td>Lunch</td>
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**Session 3**

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<tr>
<td>13:00–13:20</td>
<td>Christine Edgoose</td>
<td>NTGS</td>
<td>New insights into the Neoproterozoic to early Palaeozoic stratigraphy, structure and palaeogeography of the Amadeus Basin, Northern Territory</td>
</tr>
<tr>
<td>13:20–13:40</td>
<td>Julie Daws</td>
<td>Mossman Oil and Gas Ltd</td>
<td>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</td>
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<tr>
<td>13:40–14:00</td>
<td>Rob Bills</td>
<td>Emmerson Resources Ltd</td>
<td>The discovery and mining of the ultra-high-grade Edna Beryl Gold Mine – the trials and tribulations</td>
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<tr>
<td>14:00–14:20</td>
<td>Penny Sinclair</td>
<td>Vimy Resources Ltd</td>
<td>Refreshing the Alligator River Uranium Field exploration toolkit – Angularli and Such Wow</td>
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<tr>
<td>14:20–14:30</td>
<td>Ian Scrimgeour</td>
<td>NTGS</td>
<td>Closing remarks</td>
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End AGES 2019