



# Inaugural SGA Field Conference

Mount Isa and Cloncurry, Queensland,

20-24 July 2020



The SGA (Society for Geology Applied to Mineral Deposits) is holding its inaugural field conference in the North Australian Zinc Belt, which hosts three of the world's ten largest Zn-Pb-Ag deposits and emerging Cu-Co deposits, as well as a world-class iron oxide copper-gold district. The conference will address fundamental questions on the origin of these deposits:

- (1) What is an IOCG deposit?
- (2) How important are magmatic contributions to IOCG deposits?
- (3) What is the relative importance of syngenetic, diagenetic and epigenetic processes in the formation of sediment-hosted Zn-Pb-Ag and Cu-Co deposits?
- (4) Are sediment-hosted Zn-Pb-Ag and Cu-Co deposits linked to other basin-hosted deposits (e.g. unconformity-related U) in basin-hosted mineral systems?

In addition, case histories for the discovery of these deposits in the Zinc Belt, Cloncurry district, and elsewhere will be presented. These deliberations will be complemented by afternoon field trips visiting the Ernest Henry and George Fisher mines as well as regional geological sites.

## Preliminary program

	Morning	Afternoon
Monday, 20th July	Eastern Succession geology; Ernest Henry geology; what is an IOCG?	Eastern Succession geology and mineral deposits
Tuesday, 21st July	Magmatic and other contributions to IOCG deposits; exploration case histories	Picnic, Lake Moondarra
Wednesday, 22nd July	Cloncurry to Mt Isa geological traverse	Western Succession geology and mineral deposits
Thursday, 23rd July	Western Succession geology; George Fisher geology; basin-hosted mineral systems	
Friday, 24th July	Timing of basin-hosted mineralisation; exploration case histories	

[www.mountisamines.com.au](http://www.mountisamines.com.au)

## Confirmed speakers

Mark Barton (University of Arizona), Tony Belperio (Minotaur Exploration), Karol Czarnota (Geoscience Australia), Kathy Ehrig (BHP), Joséphine Gigon (Univerité de Lorraine), George Gibson (Australian National University), Murray Hitzman (ICRAG, University College Dublin), Dan Johnson (Aeon Metals), Karen Kelley (United States Geological Survey), Douglas Kreiner (United States Geological Survey), Ross Large (CODES, University of Tasmania), David Leach (formerly United States Geological Survey), Adam Simon (University of Michigan), Stephan Thiel (Geological Survey of South Australia), Rick Valenta (University of Queensland)

## Contacts

David Huston ([David.Huston@ga.gov.au](mailto:David.Huston@ga.gov.au)); Vladimir Lisitsin ([Vladimir.Lisitsin@dnrm.qld.gov.au](mailto:Vladimir.Lisitsin@dnrm.qld.gov.au)); [clientservices@ga.gov.au](mailto:clientservices@ga.gov.au)

## Registration

\$AU2000 (professional); \$AU800 (student; requires proof of status). A total of 60 places (including speakers) are available on a first-come first-served basis. Register at

<http://geoscienceaustr.neto.com.au/conference/>