

## Gold mining in Indonesia

Dale Sims (Consultant Geologist)

The talk will be an overview of gold mining in Indonesia based on Dale's years of work there. The talk will include case studies of different styles of mineralisation including the Gosowong and Martabe deposits. Gosowong (including Kencana) is a high grade, low sulfidation epithermal Au-Ag system with >2 Moz Au produced and a further >3 Moz Au resources. Spectacular gold grades and colloform / crustiform bands (photo on left) are features of this operation. The Martabe operation in Sumatra, including the Purnama mine (photo on right), is a high sulfidation epithermal system with a resource base of >8 Moz Au and >70 Moz Ag.

Dale is a consulting geologist with over 25 years experience internationally. He has previously worked for Rio Tinto, Mount Isa Mines, Newmont and Newcrest Mining. He was Geology Manager at the Gosowong Gold Mine in Indonesia for 4 years. Dale's expertise includes mining geology applications such as 3D / resource modelling, project reviews, near-mine, district and regional exploration support. Dale has been involved with AusIMM since 1989, including a hands on involvement in the Geoscience Society of AusIMM over the last 15 years. He also runs a beef cattle and alpaca stud in the Upper Hunter Valley.



### Venue

McIntyre Theatrette, Newcastle Museum

### Time

Drinks and nibbles at 6.00 pm, presentation at 6.30 pm

### Cost

Free entry and nibbles, cash bar for beer, wine, soft drinks

### RSVP

By COB Monday 2 March to Simone Meakin  
simone.meakin@trade.nsw.gov.au



## 2015 HEDG program

- 28 April 'Monitoring Alaska's volcanoes: from quiescence to eruption' - Dr Kate Bull
- 9 June 'Metamorphism, mineralisation and metallogenic mapping: insights from Broken Hill'  
- Dr Joel Fitzherbert (Broken Hill)
- 18 August National Science Week presentation - 2015 theme 'making waves - the science of light'
- 13 October Earth Science Week presentation - 2015 theme 'Visualising Earth Systems'
- 24 November New earth sciences research from the University of Newcastle

## Last HEDG presentation (25 November 2014)

Sarah Whalan and Charlotte Barry presented their recently completed B.Sc Honours thesis results. Sarah researched the age, lithology and setting of the Warraweena Volcanics and surrounding rocks near Bourke. Charlotte researched U-Pb dating of cassiterite to date tin mineralisation in the Elsmore area, New England. Both Sarah and Charlotte were supervised by Dr Alistair Hack at the University of Newcastle.

## About HEDG

HEDG formed in 2008 with the aim to increase the interaction between geoscientists in the Lower Hunter Valley, promote geoscience, provide a platform to learn about current research, and provide an opportunity for student and professional networking. HEDG is sponsored by the Geological Survey of NSW (NSW Trade & Investment) and the Geological Society of Australia, Hunter Valley Branch.

## About Geological Society of Australia (GSA), Hunter Valley Branch

GSA provides an opportunity to keep in touch with scientific developments, present the results of work, and contribute to discussions on vocational and scientific topics. See: <http://www.gsa.org.au>

## About other (local) geoscience resources for other events and field trips:

Geological Survey of NSW: [www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information](http://www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information)

Sydney Mineral Exploration Discussion Group (SMEDG): [www.smedg.org.au](http://www.smedg.org.au)

Amateur Geological Society of the Hunter Valley: [agshv.com](http://agshv.com)

AusIMM – Hunter Region Branch: [ww.ausimm.com.au/content/default.aspx?ID=213](http://ww.ausimm.com.au/content/default.aspx?ID=213)



# HEDG

HUNTER EARTH SCIENCES DISCUSSION GROUP