

# Yilgarn Retrospective

What we learned from the highly successful period of exploration 1950 to 1999, with implications to the challenges of the future

**30th & 31st March 2015**

**8.30am to 5.30pm**

**Tawarri, Esplanade, Dalkeith WA 6009**

*Tawarri on the Perth foreshore is an excellent relaxing venue.  
There is ample free parking and easy access to toilets all on the same level.*

## SPONSORS



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### COMMITTEE:

Mick Elias, Suzy Urbaniak,  
Julian Vearncombe

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

[www.aig.org.au](http://www.aig.org.au)

## ABOUT THE EVENT

The Yilgarn Craton (Western Australia) in the second half of the 20th century witnessed a transformative period in the resources industry which included the discovery and successful exploitation of a new deposit type (komatiite-hosted nickel sulphide), a massive boom in exploration and mining of Archaean lode gold, and developments in a number of other commodities. The Yilgarn has a world-class endowment in nickel, gold, bauxite and tantalum, and significant iron ore, uranium and copper-lead-zinc-silver deposits. By 1999, twenty million tonnes of nickel were identified (Measured and Indicated Resources), and the gold inventory rose to 100 million ounces (Indicated or better Resources and Reserves). Nickel production reached 170,000 tonnes per annum and gold production was ~6.5 million ounces per annum, helping make mining Western Australia's primary industry. These commercial successes spawned research yielding new deposit models, a new appreciation of the regolith that blankets the Yilgarn and the tools to work beneath that regolith.

This two day-symposium will look at the **who, why and how** of this momentous era 1950 to 1999. The meeting will review the importance of what we have learned from this highly successful period, with implications to the challenges of the future, and be an acknowledgement of the achievements of teams and individuals, some of whom are no longer with us.

**FORMAT:** All presentations will be for 25 minutes with 5 minutes for questions and discussion. A dinner Monday evening in a nearby restaurant (separate account) will be arranged.

**CALL FOR PAPERS:** The AIG has invited a number of speakers. There remain several talking slots. If you would like to present at this meeting please forward an abstract to [training@geosymposia.com.au](mailto:training@geosymposia.com.au)

**DELEGATE FIVE MINUTE TALKS:** All delegates are welcome to make a short presentation. No abstract required.



## ABOUT GEOSCIENTISTS SYMPOSIA

Geoscientists Symposia works with SJS Resource Management Pty Ltd and The Australian Institute of Geoscientists (AIG) to provide training courses and symposia across a wide range of themes.

Geoscientists Symposia also organize short courses, field trips, lectures and mine visits as well as regular networking and social events.

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



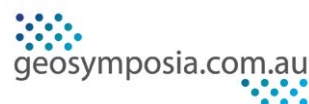
### Symposium:

## Yilgarn Retrospective

**What we learned from the highly successful period of exploration 1950 to 1999, with implications to the challenges of the future**

### INSTRUCTIONS TO PRESENTERS

- All talks and oral presentations will be accompanied with a computer projector running PowerPoint. There will be no other projection facilities.
- There will be time for questions.
- Paper titles of more than eight words may be abbreviated by the organisers in the symposium programme.
- The AIG and GS recognise the importance of the authors IP. Power Points will not be distributed to the delegates and the audience asked not to record talks (visual or sound).
- Authors are invited to submit a Power Point for uploading to the AIG website in the week after the symposium. This is optional. The PowerPoint should fairly reflect the talk and not be an advertisement for a company or product. However, authors are not expected to submit page for page exactly the same PowerPoint as that presented.



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Visit

**[www.geosymposia.com.au](http://www.geosymposia.com.au)**  
or **[www.aig.org.au](http://www.aig.org.au)**

## Please Register On-line

Visit **[www.geosymposia.com.au](http://www.geosymposia.com.au)**

To register online for the symposia.

Pay by credit card or electronic funds transfer. One registration per person.

Please remember to give us your direct email address  
(in addition to accounts and personal assistant email address)

Alternatively, you can pay directly by cheque or EFT (print online registration and post cheque to  
PO Box 1093, Canning Bridge 6153 Western Australia), by credit card online or by  
requesting an invoice to your employer (please supply a purchase order number).

Contact **[training@geosymposia.com.au](mailto:training@geosymposia.com.au)** or **08 9364 7098**

## PRELIMINARY LIST OF SPEAKERS

*This is a preliminary list of speakers. The final timetable will be posted on the AIG and Geosymposia websites in the week before the symposium.  
The final timetable will inevitably differ from this draft.*

### MONDAY 30<sup>TH</sup> MARCH 2015

Speaker	Topic
Roy Woodall	What REALLY Mattered: 1950 to 2000, and What REALLY Matters Now!
Phil Playford	Background to the Mineral Booms
Jim Ross	Mountains of Science and Innovation on the Yilgarn Plains
Dennis Gee	Mapping the Yilgarn
Simon Wilde	Western Yilgarn: the Quiet Achiever
John Bunting	Early Mapping in the Remote Eastern Yilgarn
Ray Smith	Regolith Research for Mineral Exploration
Ray Binns	Introducing Metamorphism to the Yilgarn
Jack Hallberg	Lithology Mapping of the Yilgarn
Stephen Wyche	The Yilgarn: where we are in 2015
Tim Griffin	New Technology Transforms Geologists

### TUESDAY 31<sup>ST</sup> MARCH 2015

Speaker	Topic
Ron Manners	The Yilgarn: an Incubator for the Companies that Created Australia's Great Gold Renaissance 1982 – 2002
Colin Agnew	Consolidating the Golden Mile
Neil Phillips	From Research to Gold Discovery
Jeff Gresham	Kambalda: Discovery and Impact
Michael Leshner	From Kambalda to the Rest of the World and Back
John Chappell	Golden Grove: The Dreams, Politics and Teamwork Behind a New Mining District
David Isles	From a Mile to a Chain: the Story of Aeromagnetism in the Yilgarn Block
Neal McNaughton	Geochronology Research: From 4D Evolution to Revolution
Delegate Open Floor	Five Minute Presentations
Clive Daw	A Prospectors Perspective
Megan Clark	Mineral Innovation and Future Trends that will Impact the Mining Industry
David Groves	A Perfect Storm

### JOIN AIG AND SAVE

We encourage non-members of the Australian Institute of Geoscientists (AIG) to join and take advantage of discounts for members.

A photo copy of a recent AIG application accompanying your registration form is enough to obtain AIG discounts.

Visit [www.aig.org.au](http://www.aig.org.au)

The cost of AIG membership is:

Student:	\$0
Graduate:	\$128.70
Associate:	\$151.80
Member:	\$176.00
Fellow:	\$176.00

## ABOUT THE SYMPOSIUM

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30th & 31st March 2015

Tawarri,  
Esplanade Dalkeith,  
Western Australia  
08h30 to 18h00

The Symposium features:

- Technical sessions and invited speakers
- Early morning and afternoon tea and coffee
- Lunch
- Network function
- Dinner (separate account)

### THANK YOU TO OUR SPONSORS



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### PROVISIONAL INFORMATION

This document is up to date as of today. For smooth and effective running the details and programme will inevitably change.

### DELEGATE FEES (Incl. GST)

AIG members and/or sponsor members and additional registrations from sponsors: \$770.00

Non-members: \$880.00

Student and unemployed members: \$220.00

Dinner: \$130.00

All prices are in Australian Dollars

## HEALTH AND SAFETY

The Western Australia mining industry is known world-wide for its lead role in occupational health and safety. Geosymposia organises and runs all its events which include mine visits, excursions, field workshops and conferences under a set of guidelines consistent with best practice in these areas. Accordingly the committee requests that all Symposium participants comply with health and safety laws, regulations, recommendations and organiser requests as appropriate.

We ask all delegates to endorse Geosymposia's role in upholding these principles during this symposium.

### THANK YOU TO OUR SPONSORS



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### AUTHORS & PRESENTERS ABSTRACT VOLUME

**Abstracts are requested from all presenters.**

- All speakers are asked to submit an abstract with references where possible. (The AIG editors will allow a degree of flexibility in style so long as content is relevant.)
- For all abstracts, please supply a short biographic summary of the senior author and presenter. This description paragraph will be printed with the abstract.
- All abstracts should be submitted as soon as possible and definitely before the deadline **1st February 2015** to [training@geosymposia.com.au](mailto:training@geosymposia.com.au)
- Submit abstracts and figures (optional) with the surname of the presenter as the first word in the file name. Submit your abstract in Microsoft Word. Please submit figures as a JPEG or TIFF separately (not embedded in Word). Tables should be of realistic size, upright and in Word.
- The AIG will produce a digital pdf Abstract Volume. The Volume will be available as a digital file on the AIG website in advance of the event. The volume will also be available on a thumb drive at the meeting. The AIG will not be printing the volume.
- Abstracts should be between 250 and 2,500 words.
- Abstracts will be desktop published by the AIG - you do not need to format your text for publication. For the style of publication and past abstracts please view any of AIG Bulletins 54 to 59 compiled by Julian Vearncombe and published by the AIG for free download at [www.aig.org.au](http://www.aig.org.au) and [www.geosymposia.com.au](http://www.geosymposia.com.au)
- The presenter will take full responsibility for all abstract and talk content.

## Please Register On-line

Visit [www.geosymposia.com.au](http://www.geosymposia.com.au)

Pay by credit card or electronic funds transfer.  
One registration per person.

### FOR FURTHER INFORMATION

For further information on this event or to discuss sponsorship opportunities contact  
**Julian Vearncombe: +61 8 9364 7098 or [training@geosymposia.com](mailto:training@geosymposia.com)**

### PROFESSIONAL DEVELOPMENT

Geoscientist Symposia (GS) and Australian Institute of Geoscientists (AIG) course and symposia may assist with Continuing Professional Development (CPD) compliance for many AIG Registered Professional Geoscientists (RPGeos).

