

# THE VICTORIAN GEOLOGIST



Geological Society of Australia  
Victoria Division  
Annual General Meeting  
**Thursday 27th August at 6 p.m.**

You are invited to attend the GSA VIC Division AGM

When: Aug 27, 2020 06:00 PM Canberra, Melbourne, Sydney

Register in advance for this meeting:

<https://zoom.us/join/zoom/register/tJlvdOqqgTsiGN09WW501IUOysyGRDMDCNKj>

After registering, you will receive a confirmation email containing information about joining the meeting. Note that only current GSA Members will be able to access the meeting.

Please contact [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com) if you have difficulties accessing the meeting on the night.

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## AGM

The GSAV will be holding its **AGM on Thursday 27th August 6 pm** on Zoom. This is your opportunity to hear a brief summary of what the GSA Victoria has done over the past calendar year.

### **Agenda**

1. Minutes from 2018–2019 of the GSA Victoria Division AGM on 2 May 2019.
2. GSA Victoria Division Chairman's Statement for 2019–2020
3. GSA Victoria Division Treasurer and Investment Statement for 2019-2020
4. Election of Committee Members for 2019–2020
5. Call for nominations of a Divisional Councillor to the Governing Council
6. Other business.

These Reports have been tabled in this TVG newsletter: Minutes from 2018–2019 of the GSA Victoria Division AGM on 2 May 2019, GSA Victoria Division Financial Report for 2019–2020 (including Investment statement), Bicentennial Gold 88 Endowment Report for 2019–2020, Heritage Subcommittee Report for 2019–2020.

The Awards Committee Report for 2018–2019 was tabled in the TVG June 2020 newsletter.

A nomination form is included below. Should you have any queries please contact a member of the current GSAV committee or [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com). These are the committee roles that you could consider applying for:

### **OFFICE BEARERS COMMITTEE**

Chair

Vice-chair

Secretary

Treasurer

### **SUBCOMMITTEE**

Awards

Bicentennial Gold

Investment

Education

Membership

Program

Publications

Promotions

Webmaster

Melbourne University Student Representative

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## 2020 GSAV Committee Nomination Form

I nominate:

For the position of:

Nominator:

Seconded by:

All nominations will be presented and voted upon at the GSAV AGM on 27th August 2020 commencing at 6 pm.

Please complete and email this form, specifying your Committee nomination, no later than 27th August 12pm to [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com).

**Alternatively, raise your hand during the Zoom and present the nomination at the meeting.**

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### Minutes of the 2019 GSA Victoria Division Annual General Meeting

#### Opening:

- a. Meeting opened at 18:20 **May 2nd**, in the Hills Lab at Melbourne University.
- b. Apologies: David Cantrill, Richard Lovell, David Moore, Susan White, Karen Kapteinis, Fiona Glover, Stefan Vollger, Shannon Burnett

#### 1. Minutes of the previous meeting on Thursday 26 April 2018

Minutes taken as read. Carried unanimously

#### 2. Due to apologies the following agenda items were covered under the Secretaries's statement for 2018-2019

a. Michelle Grosser noted that all the reports were as tabled in the newsletter.

These included:

1. GSA Victoria Division Financial Report for 2018–2019
2. GSA Victoria Division Shares Report for 2018–2019
3. Bicentennial Gold 88 Endowment Report for 2018–2019
4. Awards Committee Report for 2018–2019
5. Heritage Subcommittee Report for 2018–2019
6. Education Subcommittee Report for 2018-2019

All the reports were accepted, carried unanimously.

#### **4. Election of Committee Members**

Members of the GSA Victoria Division were elected as follows:

Chair: David Cantrill nominated. Elected unopposed

Treasurer: Richard Lovell nominated. Elected unopposed

Secretary: Michelle Grosser nominated. Elected unopposed

Investment administrator: David Moore. Elected unopposed

Website: Stefan Vollgger. Elected

Heritage: Karen Kapteinis. Elected

Education: Shannon Burnett. Elected

Newsletter editor: Vacant.

Committee: Susan White, Fiona Glover and Adele Seymon. Elected.

b. Other roles within the Division were appointed as follows:

Ingrid Campbell                      Awards Subcommittee Chairperson

Vacant                                      Monash University Student Representative

Vacant                                      Melbourne University Student Representative

Gerhard Krummei                      GSAV Affiliate - Bicentennial Gold 88 Endowment

#### **7.Call for nominations of a Divisional Councillor to the Governing Council**

#### **8. Any other business**

a. N/A.

**Meeting closed at 18:35**

## **GSA Victoria Treasurer Report to Committee**



# Annual General Meeting 27th August 2020

## NAB 2019 Account Activity: (1<sup>st</sup> January to 31<sup>st</sup> December 2019 )

Bank balance as of 31 <sup>st</sup> December 2019:	<b>\$25,077.03</b>
Bank balance as of 1 <sup>st</sup> January 2019:	\$459.75
Change:	<b>+\$24,617.28</b>

Deposits made to the account in the above period: **\$52,406.08**

Which comprises the following categories:

GSAV Franking Credits for 2018-2019:	\$19,853.70
Transfer from the Bank of Queensland:	\$13,000.00
GSAV Franking Credits for 2017-2018:	\$6,948.11
GSAV Capitation Credits for 2019 membership:	\$6,214.92
Selwyn Conference Attendance fees:	\$4,629.97
Book sales:	\$1,420.30
Repayment of expenses overpayment:	\$189.08
Rami Eid:	\$100.00
Recovered funds from Dec 2018 scam attack:	\$50.00
<b>TOTAL</b>	<b>\$52,406.08</b>

***During the above period we have paid out \$27,788.80 in the following categories:***

A. Bank account fees:	\$120.00
B. National Storage Fees:	
\$1,668.00	
C. Two PhD grant awards	\$10,000.00
D. Selwyn Symposium Speakers Flights & Accommodation:	
\$6,900.90	
E. Student Travel Awards (5) and Canavan Awards (1):	\$3,800.00
F. Selwyn Symposium – other costs	\$2,832.88
G. GSAV meeting and committee expenses:	\$1,124.02
H. Conference attendance (GTAV):	\$650.00
I: P.O. Box Rental:	\$293.00
J: Selwyn Medal Boxes:	\$290.00

K: Donation (Bacchus Marsh Trench Committee):

\$110.00

**TOTAL:**

**\$27,788.80**

Richard Lovell (Treasurer)

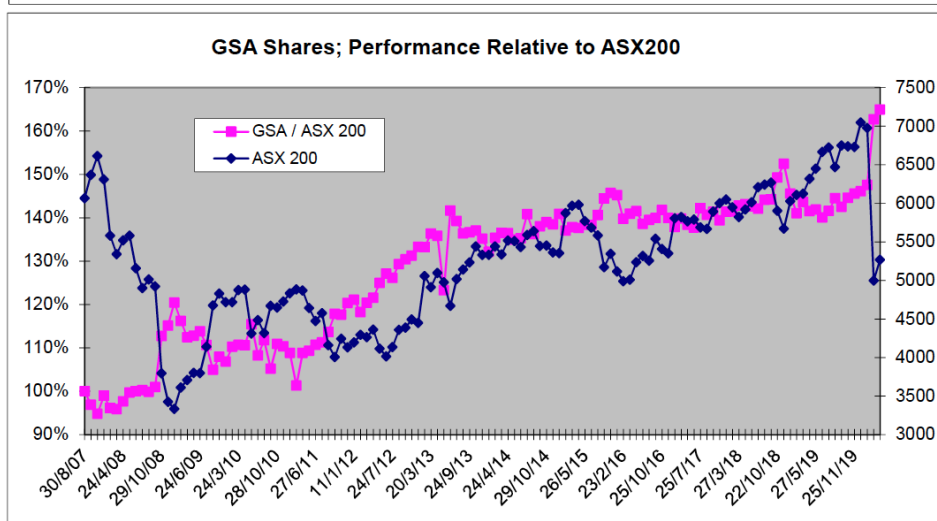
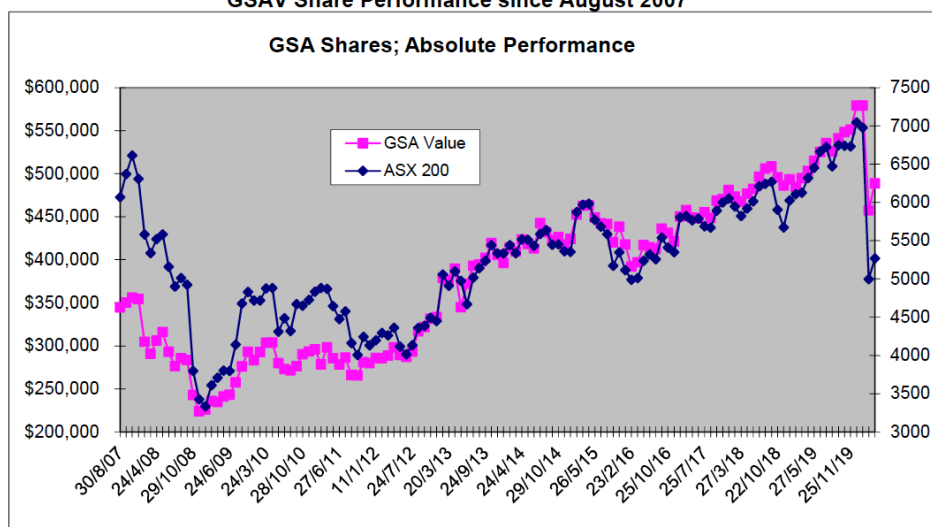
30<sup>th</sup> April 2020

### **2019 SHARES REPORT**

At the end of 2019, our share portfolio was looking quite good. Its value had risen over the year by about \$84,000 from its value at the end of 2018. At \$557,036.67, all appeared rosy. On top of that we received \$19,853.70 in franking credits from the Australian Taxation Office, which should ensure the division has plenty of cash for operating expenses through 2020.

Of course you all know that since then, the world has been changed by the COVID-19 pandemic, and a symptom of that change has been a drop in the value of our portfolio, to \$488,721.69 on 27 April. This drop of \$69,000 takes us back to the portfolio value in mid-2018. However, the present market is particularly volatile, and it is only a month ago that the portfolio was worth \$30,000 less than today. We continually measure our performance against the ASX 200 by measuring the portfolio growth against the index. On this basis, our performance has been excellent. Using an arbitrary baseline of the ASX 200 and our portfolio 30 July 2007, the portfolio has consistently risen over the last 8 months and is now at its highest level ever. We have done this by trying to balance the need for growth against protecting our capital. We aim to have about 25% of our assets in interest-bearing securities, which give us a security.

## GSAV Share Performance since August 2007



Our share investments are strongly biased towards companies with limited risk profiles, like banks, supermarkets and shopping centres, with a large holding in Australian Foundation, an investment group covering a wide spread of Australian companies. In the future, we expect to use the \$46,000 cash on hand in the investment portfolio to make modest purchases in similar companies. We also have about 10% in overseas investment funds to give us access to growth outside Australia.

David Moore

## **BICENTENNIAL GOLD 88 ENDOWMENT**

### **Report for the Year 2019**

This Endowment was established with surplus funds derived from a successful gold conference in order to provide funds for the advancement of education and research in Earth Sciences for the benefit of Economic Geology in Australia.

In 2019, only 3 applications were received for awards in 2020, despite widespread publicity. This is a significant and disappointing drop in numbers compared to recent years for reasons which remain unclear. One application was for conference sponsorship, one for support for a Ph.D. project at Monash University and one for a paper presentation at a conference in WA by a Monash University PH.D Candidate.

Noteworthy was the quality of the two highly motivated Ph.D. applicants as shown by their background skills and commitment to geology and research.

Total funding sought by the applicants was in the order of \$20,000 as against an available sum of \$6,000.

Awards were recommended to the two Ph.D. candidates.

Due to some unusual circumstances, however, no payouts were made.

One of the awards was declined by the successful applicant due to a change in personal circumstances. Payout of the second award is likely later in 2020, subject to receipt of some additional, confirmatory information.

This Endowment received some promotional benefits when 2018 award recipient Christopher Voisey presented aspects of his Ph.D. research to the GSA Vic. Div. at its October 2019 monthly meeting.

In conclusion, Prof. Chris Wilson and Ms. Ingrid Campbell, GSA (Vic Div), are again thanked for their contribution to the assessment process, as is the AusIMM Secretarial Support Team for its administrative back-up and the Endowment Trustees for their on-going support.

GERHARD K. KRUMMEI  
Chairman – Working Group  
BG88 Endowment

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## **GSA Victoria Heritage Report to Committee Annual General Meeting 27th August 2020**

The Geological Heritage subcommittee in Victoria has continued to maintain the database of sites of geological and geomorphological significance, with additional sites being supplied. At present, there are over 2,000 sites in the database. Unfortunately, as with previous years, the subcommittee has struggled somewhat over the past year mainly due to lack of time for committee members to work on geological heritage matters. However, we have continued to work towards better understanding of geological heritage in the state.

The subcommittee continues to maintain relationships with similar, non-GSA committees, including with Council Trench in Bacchus Marsh, where Susan White (previous subcommittee chair) is a member on the management committee, and with the Koonwarra Rail Trail committee of management, on which Gary Wallis is our representative, of which is being consulted by VicRoads as part of the highway widening near the Koonwarra Fish Beds. A display was held at the Bacchus Marsh Library for Earth Science week in 2019 in conjunction with the Council Trench committee on the volcanoes around Bacchus Marsh and their significance, which was successful.

As in the past, the committee has given advice to consultants and people wishing for information on particular sites of geological significance (e.g. Swallow Cave, Lake Burrumbeet). Such requests have been low this past year. Additionally, there has been a further supply of sites recently for the VEAC report on the Victorian Coastal Reserves, published in March 2020. Discussions with the Geological Survey of Victoria continue, with some contact over a potential site in Sydenham. It was concluded that this was not a site, and the matter documented for future records.

I wish to thank the members of the subcommittee for their work throughout the year.

**Karen Kapteinis**

**GSAV Awards Committee**  
Is pleased to present the  
**2020 Selwyn Medal**



**Associate Professor Stephen Gallagher**





Associate Professor Stephen Gallagher has made significant contributions to our understanding of Victoria's sedimentary geological record throughout his career. Broadly, his work has developed our understanding of Victorian Cretaceous to recent microfossil evolution, climate change, paleo-oceanography, basin stratigraphy and economic geology. Stephen has over 50 scientific papers on Victorian geology, many of them published in high-impact, international journals, showcasing the significance of his work. This body of research has significantly developed our understanding of marine shelf evolution in south-eastern Australia, with implications for climate, oceanography and petroleum resources. Stephen has also added significantly to Victorian basin stratigraphy, including regional stratigraphic correlations and revised age constraints.

Stephen's papers form an important record of the climate history of Victoria for the last 80 million years. His research considers both climate variability in a Cretaceous greenhouse world, and the descent into Cenozoic icehouse conditions. This topic has been largely studied from a Northern Hemisphere perspective and so his work adds crucial detail from an Australian (Southern Hemisphere) standpoint. For example, his work on Oligocene climate records from Victoria was the first Oligocene sea level curve published from the Southern Hemisphere.

In other projects, Dr. Gallagher's work with collaborators has added to several other important aspects of Victoria's geology including coal stratigraphy, floral history, economic geology and stratigraphic correlations. Highlighting many of his contributions to Victorian geology, Stephen co-authored a chapter in the recent edition of *Geology of Victoria*. In his broader research he has worked extensively on International Ocean Drilling Project expeditions around Australia and Asia, and has also focused on the Carboniferous geology of Ireland.

Dr. Stephen Gallagher has made significant contributions to Victorian geology through 25 years of teaching, playing a key role in educating multiple generations of geoscientists at the University of Melbourne. He taught first year classes for over 15 years, being instrumental in encouraging many students to continue into geology. In addition, he runs several field geology courses every year which are an important aspect of geoscience education. Dr. Gallagher has won multiple awards for his teaching. He has supervised over 40 Honours and Masters students as well as 11 PhD students.

In terms of service, Stephen served as Chair and Treasurer of the Geological Society of Australia, Victoria Division for several years, being instrumental in recruiting student GSAV members during this time. Stephen has organised four successful Selwyn Symposiums for the GSAV. In addition to this, he has run seminars and short courses for PESA, CSIRO, and most recently was chosen for the Royal Society's Howitt Lecture.

Overall, Stephen's contributions to research, teaching and the field of geology in Victoria make him a worthy recipient of the 2020 Selwyn Medal.





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## **Governing Council 2021-2023 Victorian Division Councillor**

Can you bring your energy and enthusiasm, wisdom, business acumen and management experience, committee experience or professional skills to the Geological Society of Australia's governing council? Membership of the council will be both a significant, national, professional responsibility and an exciting opportunity for any Member committed to our profession, its standing and growth.

### **Background**

The Governing Council comprises of nine Councillors. Five General Councillors are elected by the membership and four Division Councillors are chosen by the Division (according to the Division rotational model). Council elections are held every two years and coincide with the GSA's biennial convention.

### **What does a councillor do?**

Participate in 4 meetings a year to develop:

- (i) the overall strategic direction of the Society for the benefit of the Society as a whole;
- (ii) formulation of the policy framework to be applied in the conduct of the activities of the Society;
- (iii) providing recommendations about initiatives aimed at enhancing the Society's objectives.

### **Who can be elected?**

Any Member in any of the following categories of membership who has been properly nominated to be elected or appointed:

Full Member  
Graduate Member  
Honorary Member  
Joint Member  
Life Member  
Retired Member  
Teacher Member  
Tertiary Student Member

### **How are candidates nominated?**

General Councillors

Nominations for candidates for General Councillors must:

- be in writing
- summarise their qualifications \* to serve as a General Councillor
- be supported by 2 Full and/or Retired Members.

### **Divisional Councillors**

A single nomination for Divisional Councillors must be submitted by the Divisional Committee to the Governing Council. Divisional nominees are to be endorsed by a meeting of the Division. The nomination from the Division must:

- be in writing
- summarise the nominee's qualifications\* to serve as a Divisional Councillor.

\* Qualifications should be limited to no more than 400 words in total.

## Key dates

17 September 2020: Call for General Councillor nominations

17 September 2020: Written advice to Divisions for Division Councillors

30 October 2020: Latest date for Division Councillor endorsement

20 November 2020: General Councillor nominations close

Nomination Forms:

[https://www.gsa.org.au/Public/Governance/Governing\\_Council/Nomination-forms---key-dates/Public/Governance/Governing-Council-Sub-Pages/Nomination\\_forms\\_key\\_dates.aspx?hkey=eb626fa6-2e34-4e66-aa7f-224c05f21a43](https://www.gsa.org.au/Public/Governance/Governing_Council/Nomination-forms---key-dates/Public/Governance/Governing-Council-Sub-Pages/Nomination_forms_key_dates.aspx?hkey=eb626fa6-2e34-4e66-aa7f-224c05f21a43)

President: Dr Joanna Parr, CSIRO

E: [joanna.parr@csiro.au](mailto:joanna.parr@csiro.au)

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## Join the Board of Geoparks Australia.

Do you have an interest in geoparks, geotourism and geotrails?

The interest in Geotourism worldwide is growing, as people are seeking to unearth the stories behind our extraordinary geological features. This trend has the potential to give rise to a new tourism product for regional Australia ..... Geotourism.

The Western Australia division of GSA will launch Geoparks Australia soon. Their desire to start Geoparks Australia has grown off the back of their successful Geoparks Western Australia which has been going well for about 3-4 years.

The focus of Geoparks Australia is to advocate for, and foster the establishment of, geoparks, geotourism and geotrails in Australia. They are looking for a member who will:

1. Be an ambassador for Geoparks in Australia within Victoria, and
2. Join their Zoom meetings about 3 times per year.

Contact: [r.dowling@ecu.edu.au](mailto:r.dowling@ecu.edu.au)

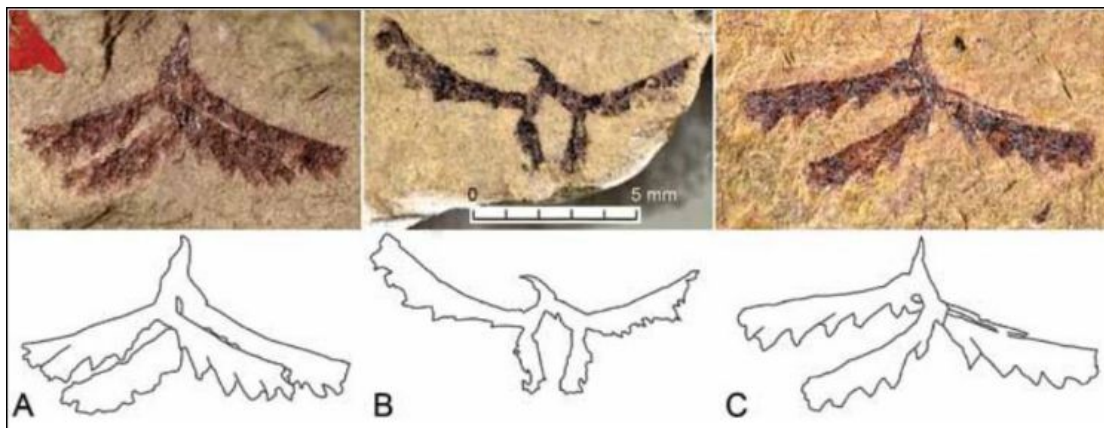
**Professor Ross Dowling AM**

**Founding President**

**Geoparks Australia**

You can view information about the WA project

here: <https://www.slideshare.net/leisuresolutions/geoparks-initiatives-in-western-australia-alan-briggs>



## **Did You Miss It? Watch 'Writing on Stone - Graptolites and Ancient Ground' online.**

**Fons VandenBerg**

Since the earliest days of geological investigation, the primary method of determining the ages of Victoria's foundational rocks has been the analysis of fossils. In much of Victoria, the most critical fossils are no more than tiny marks on the rocks—the remains of extinct animals called graptolites. The name means "writing on stone," and that is what many of them look like.

Distinguished geologist and palaeontologist with [Museums Victoria](#), Alfons VandenBerg, explains what these curious creatures were, and when and how they lived. Are they extinct, as was long believed? Given that we can't access their DNA, how can we determine their relationships? How are they useful for geological mapping? How did they protect themselves?

Fons demonstrates a variety of these 'marks' magnified, displaying an amazing diversity of characteristics. Most importantly, a close examination reveals the remarkably rapid evolution of those characteristics, making them a key tool in unravelling the sequence of events that made the foundation rocks of eastern Australia.

A Howitt Lecture with our friends at the Royal Society:

[https://www.facebook.com/royalsocietyvictoria/videos/1170247496671821/?\\_fb\\_noscript=1](https://www.facebook.com/royalsocietyvictoria/videos/1170247496671821/?_fb_noscript=1)

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## **Victorian geologists, thank you for your friendship and support.**

During these remarkable times our society has shown solidarity and membership numbers remain strong. Thank you. Our professional society relies on you and your love for geology. If you haven't renewed yet, don't worry you can still renew your membership for 2020 and receive back copies of TAG and access to AJES or Alcheringa. You'll also receive links to online technical presentations.

Renew through the GSA website:

- 1: [Click here](#) to sign into the GSA website;
- 2: Click on your name at the top of the homepage;
- 3: Click on the orange Renew Now button. This will allow you to pay for your renewal.

Renew via Electronic Funds Transfers:

Account Name: Geological Society of Australia Inc.  
(BSB: 082067 Account Number: 52-507-4491)

NOTE: for EFT payments, make sure to include your name or GSA membership ID, and email payment advice to [publications@gsa.org.au](mailto:publications@gsa.org.au)

Please email [info@gsa.org.au](mailto:info@gsa.org.au) if you require assistance renewing your membership or would like an aspect of your membership changed.

*Note that a discount to the **9 November 2020 AESC Online Convention** is available for all current members of the Geological Society of Australia (GSA).*



The Geological Society of Australia invites you to the first Virtual Australian Earth Sciences Convention 'Core to Cosmos', on the 9-12 February, 2021.

**The convention will showcase current trends and advances in earth science**, including the latest findings on the deep structure and composition of our planet, our diverse crust and surface environments, developments in the energy and resources sectors **and critically, the essential role that geoscience plays in our sustainable future.**

**Tasmania's rich geological past has resulted in a varied and beautiful landscape, unique flora and fauna and a colourful mining history which has underpinned the local economy for more than a century.** We hope that you can come south, enjoy our temperate summer and local attractions, and participate in a program showcasing the best of Australian earth science as well as field trips focussed on Tasmania's diverse geology. We look forward to seeing you in Hobart!

### **Theme 1: Energy and resources**

A systems approach to hydrocarbon and mineral resources; from exploration to remediation.

[Jonathan Cloutier](#) - University of Tasmania

[Caroline Tiddy](#) - University of South Australia

### **Theme 2: Earth structure**

Plate tectonics, regional geology, structure, metamorphism, tectonic



architecture and geophysics of the deep earth.

[Jo Whittaker](#) - University of Tasmania

[Jack Mulder](#) - Monash University

### **Theme 3: Core to crust**

General and specific contributions concerning the geochemistry, mineralogy, petrology, and geophysics of the crust, mantle and core.

[Stephen Foley](#) - Macquarie University

### **Theme 4: Crust, surface and cosmos**

Geological and geochemical controls on earth system processes including origin and evolution of life on Earth and elsewhere.

[Indrani Mukherjee](#) - University of Tasmania

[Ashleigh Hood](#) - University of Melbourne

### **Theme 5: Geoscience in society, education and environment**

Exploring the role of geoscience in daily life, tourism, hazards, heritage, water and the environment.

[Claire Kain](#) - Mineral Resources Tasmania

### **Theme 6: Earth observations and models**

Understanding the dynamic surface of Earth with observations and computational inferences, analysis and modelling.

[Matt King](#) - University of Tasmania

### **Convention Co-Chairs**

A/Prof. Sebastien Meffre & Dr Andrew McNeill

Register here: <https://www.aesconvention.com.au/registration/>

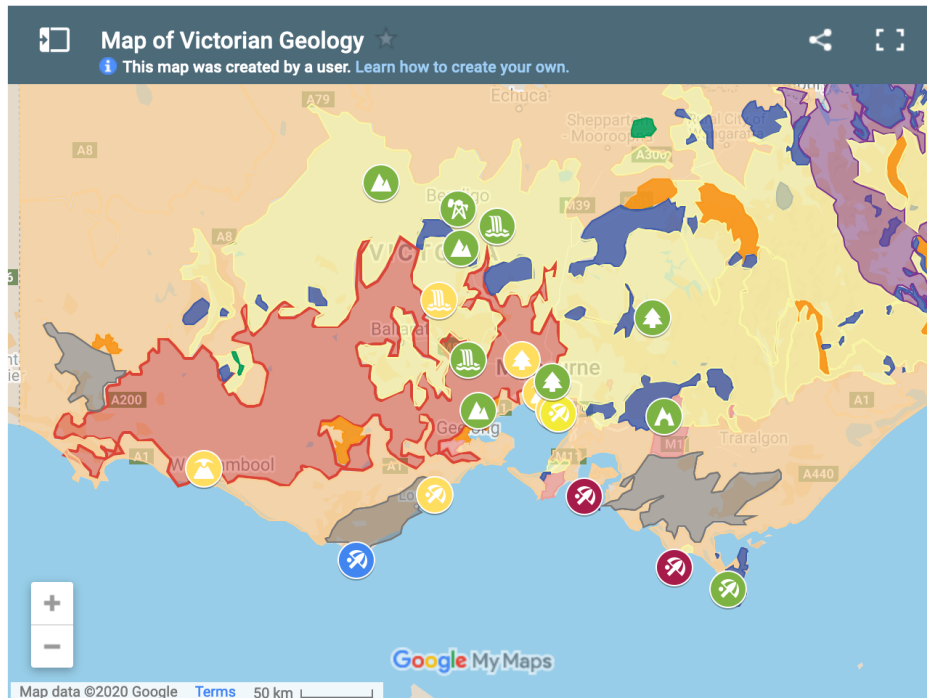
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## **Student Resource: Weekend Geology**

The only way to learn geology is in the field. Get out of the city and step into a volcanic crater, climb upturned sea floors, stand on two layers 600 Ma apart and wonder at how Australia came to be what it is now!

This site has been created for anyone with an interest in the 'how' of the places they visit... how it got there, when it formed, how it's changed over millions of years and how it fits into the geological puzzle.

A geologists day job is going into the field and learning about rocks and nature. Become a geologist for a day or a weekend and visit one of the State Parks below!



<https://weekendgeology.com/>

## Forthcoming events

**30th September:** Monthly Zoom Meeting: Gresley Wakelin-King  
TBC

**Australia's longest coastal cliffs: size, reasons, and rarity**  
**Dr Gresley Wakelin-King**  
(Wakelin Associates + Dept of Ecology, Environment and Evolution, La Trobe University)



G. Richardson, Commonwealth Dept. of Sustainability, Environment, Water, Population and Communities



**11th November: Student Night**

TBC

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## **Student Scholarships**

The GSAV are pleased to offer scholarships for honours and postgraduate students in geological sciences for assistance with travel costs associated with attending conferences (fieldwork excluded). The number and value of the scholarships awarded each year is made at the discretion of the GSA Victoria committee. Up to \$500 for travel within Australia and between Australia and New Zealand and \$700 for travel elsewhere is available, paid half before and half after the conference. More information, including the eligibility criteria and application form, is available at <http://www.gsavic.org/scholarship.html>.

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## **Contributions to The Victorian Geologist**

If there are any events, happenings, news, or views that would be of interest to the membership, please send your details and information to Secretary at [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com)

Newsletter deadline: First Friday of the month, except for December and January.

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## **Contribute to TAG**

It is member contributions which make TAG (The Australian Geologist) a member magazine – please keep the contributions coming and assist with informing all of the membership (not just your Division) about your activities.

Please send your news to: [tag@gsa.org.au](mailto:tag@gsa.org.au)

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## **About the GSA Victoria Division**

General information about the Geological Society of Australia and GSA Victoria Division can be found at [www.gsa.org.au](http://www.gsa.org.au) and [www.gsavic.org](http://www.gsavic.org).

Contact details for the GSAV Committee can be found at [www.gsavic.org/committee.html](http://www.gsavic.org/committee.html).

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