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| |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | A picture containing text, font, screenshot, logo  Description automatically generated | | | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Geological Society of Australia Victoria Division **Face to Face Meeting and AGM**   Time: 6.00pm AEST (Doors open at 5:30 for drinks and nibbles) Location: Activity Room 1, Kathleen Syme Community Centre, Faraday St, Carlton VIC | | | | | | | | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | ****Loop - an interoperable, integrative, probabilistic 3D geological modelling platform****   **Dr Laurent Ailleres**    School of Earth, Atmosphere and Environment, Monash University Research: [https://research.monash.edu/en/persons/laurent-ailleres](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=076df626d7&e=abd3886a29)        With the current need for critical metals (including Cu), the ability to be predictive undercover and to improve mining of known resources, requires the ability to better predict sub-surface geology at multiple scales. Geologically consistent mine models should equate to better resource models and consequently a more economical way of producing the required resources for a greener future with increased recovery rates and reduced number of resources required and waste produced. We present the current state of the Loop project, an open-source interoperable, integrative, probabilistic 3D geological modelling platform. We have implemented the use of all structural geological data (e.g., fault kinematics, fold axial surfaces, fold axes, deformational overprinting relationship) in the modelling process. We have automated the building of 3D geological models from geological survey served geological data including automatic geological map topological analysis and geological history building. As a proof of concept, users can now draw a polygon on a map and generate 3D models in just a few minutes using the map2loop and LoopStructural libraries ([github.com/Loop3D](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=dd6183da0b&e=abd3886a29)). We are integrating geophysical constraints and modelling as early as possible in the modelling workflow. Model uncertainty is characterised and an integral part of the modelling process. The main outcome of the development of the structural modelling method (LoopStructural) is the definition of structural frames which allow the definition of a curvilinear and conformable to layering, rectangular coordinate system throughout the models. We present the concept for LoopResources, the property modelling library for the Loop platform. Using this deformed cartesian coordinate system, we propose to adapt geostatistical and interpolation methods to curvilinear coordinate systems using classical approaches of UVW transformations. This will ensure that lithological anisotropies are enforced during resource estimation and property modelling.  Loop is a OneGeology initiative, initiated by Geoscience Australia and funded by Australian Territory, State and Federal Geological Surveys, the ARC and the MinEx CRC with the participation of BHP, Anglo American and GSWA. The project is led by Monash University and involves research groups from the University of Western Australia, the RING consortium at the Universite de Lorraine, Nancy, France and RWTH Aachen in Germany. In-kind research is also provided by Natural Resources Canada (Geological Survey of Canada), Geoscience Australia and the British Geological Survey. Other partners include AuScope and the USGS | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | |  |  |  |  | | --- | --- | | **Speaker bio...**   |  | | --- | | Initially trained as a structural geologist, Laurent was awarded his PhD in 1996, in structural geology, having worked in the French Alps and from an office only meters away from the development of the Gocad 3D modelling package. Since 1996, he has been a research fellow at Monash University. Laurent is interested in the evolution of tectonic processes through time and their effect on multi-scale mineralisation processes. He specialises in structural geology and geophysics as well as multi-scale 3D geological modelling applied to tectonics and minerals exploration. He teaches field mapping at undergraduate level in poly-deformed metamorphic terranes and advanced structural mapping and structural geophysics at postgraduate level. His geological experience spans multiple scales across Africa, Europe, Australia and the Americas. He leads the Loop initiative to develop the next generation of 3D geological and geophysical modelling tools and champions structurally-ruled probabilistic geological modelling. Laurent is also the managing director of PGN Geoscience Pty Ltd, a small consulting company providing services to the minerals exploration and mining industries, from global scale project generation to litho-structural interpretations of geophysical data, to smaller-scale structural analysis of mineralisation controls at the deposit scale. | | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **A picture containing text, nature, screenshot, canyon  Description automatically generated  Program Themes**  • The Australian lithosphere (Hadean to modern) • Magmas and mountain belts • Special symposium on Dynamic Evolution of Earth and its Environment • Earth resources - present and future • Surface processes, including ARGA symposium • Critical role of geoscience in Australia’s future • Special Symposium: Planetary geoscience   [Workshops](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=20a7272548&e=abd3886a29) • The Gascoyne Province, WA: an emerging carbonatite and REE powerhouse  • Advanced spectral data processing • AusGeochem: research tool to archive, synthesise, find and extract geochemistry data  • Machine augmented interpretation of geology  • The Australian Earth Science Community and First Nations Australians Working together • Naming and defining stratigraphic units  [Field Trips](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=56117e3df2&e=abd3886a29) • Geology and mineralization of contrasting Archean terranes in the southwest Yilgarn  • Rottnest Island: Recent environments, Geotourism and Quokkas  • Structural history of the Darling Fault  • Rocks and wine, Margaret River  [Social Program](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=5af1b84867&e=abd3886a29) • Welcome Reception • Breakfast Poster Session • Conference Dinner  **Information about the AESC here:** [https://aesc2023.com.au/](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=0154a0e19b&e=abd3886a29)  **Register:** [https://aesc2023.com.au/registration/](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=9fe5ddfba9&e=abd3886a29) **( Note discount for GSA Members)  A blue and white logo  Description automatically generated with medium confidence  KEY DATES:**   |  |  | | --- | --- | | Early Bird Deadline | 27 April 2023 | | Work Shops | 26 June 2023 | | Conference Welcome Reception | 26 June 2023 | | Conference Day one | 27 June 2023 | | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | |  |  | | --- | --- | | |  | | --- | | **Renew online through the GSA website**.    1. [**Click here**](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=0054f09db5&e=abd3886a29) 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    If you prefer to renew your membership via EFT into our bank account, please pay:    Geological Society of Australia  BSB: 082 067; Account: 52507 4491      Please see your renewal notice for the amount that's due and list **your name or membership number** when making the payment.      Alternatively, please call 02 9290 2194 to renew over the phone.  We hope that you renew your membership and enjoy Geologize. If you would like further information on the course or would like to change an aspect of your membership, please email [info@gsa.org.au](mailto:info@gsa.org.au). | | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Annual General Meeting**  **Thursday 25th May at 6:00 p.m.**   You are invited to attend the GSA VIC Division AGM . This will be a Face to Face meeting and award ceremony. The reports follow this notice.  This is your opportunity to see a brief summary of what GSA Victoria has done over the past 2022 calendar year. We are hoping to have an exciting reboot of the committee in the 2023-2024 period so your participation in the meeting will help guide the society forward.   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **AGM Agenda**     |  |  | | --- | --- | | |  | | --- | | **Agenda** 1. Minutes from 2021 - 2022 of the GSA Victoria Division AGM on 25th May 2022.  2. GSA Victoria Division Chairman’s Report for 2022–2023 3. GSA Victoria Division Financial Report for 2022–2023 4. Heritage Subcommittee Report for 2022–2023 5. Awards Committee Report for 2022–2023 6. Election of Committee Members for 2022–2023 7. Other business.  A nomination form is included below. Should you have any queries please contact a member of the current GSAV committee. These are the committee roles that you could consider applying for:  OFFICE BEARERS COMMITTEE Chair Vice-chair Secretary Treasurer  SUBCOMMITTEE Awards                               Program     Geotourism                           Publications Investment                             Promotions Education                              Webmaster Events                                      Heritage Membership             Melbourne University Student Representative Newsletter           Monash University Student Representative | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  | | --- | --- | | |  | | --- | | **2023 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 Thursday 25th May 2023, commencing at 6:15 pm.   Please complete and email this form, specifying your Committee nomination, no later than 24th May to [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com).  **Alternatively, bring your completed form along to the meeting.** | | | | | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | ****Geological Society of Australia (Victoria)**** ****Annual General Report**** Names of the committee during the year announced at the AGM on 25th May 2022  Committee Executive:                      Subcommittee Representatives: Chair           Dr David Cantrill                    Awards        Prof John Webb Vice-Chair   Dr Susan White                     Heritage      Dr Susan White Secretary    Michelle Grosser                    Education    Dr David Steart Treasurer    Dr Richard Lovell                                            Newsletter   Michelle Grosser Social Media Michelle Grosser Membership Michelle Grosser              Committee Members: Dr Dee Ninis - Speaker Programme              Dr Rick Squire - Investments Dr Stefan Vollgger - Webmaster                    Vacant - Geotourism Dr Fiona Glover - Membership                      Karen Kapteinis - General Vacant - Publications                                     Vacant - Promotions Vacant - Events  Mana Ryuba - Melbourne University Student Representative Sarah Alkemade - Monash University Student Representative ****Treasurer’s Report**** GSA  Victoria Treasurer Report to Committee for 25th May 2023 Annual General Meeting   NAB 2022 Account Activity: (1st January to 30th December  2022)  Bank balance as of 31st December 2022:    $37,058.79 Bank balance as of   1st January 2022:        $18,859.55 Change:                                                       +$18,199.24  Deposits made to the account in the above period:          $31,014.25  Which comprises the following categories: GSAV Franking Credits for 2021 & 2022                           $28,121.54 GSAV Capitation Credits for 2021 membership:                  $2,385.00 Error payment by Federal GSA                                               $344.76 Book sales:                                                                              $162.95  **TOTAL**                                                                                 $31,014.25  During the above period we have paid out $12,815.01 in the following categories:  A. Bank account fees:                                                               $120.00 B. National Storage Fees:                                                      $1,668.00 C. One 2nd year PhD grant award (Macquarie University)    $5,000.00 D. Sponsorship of GSA Structural Field Group Trip               $2,500.00 E. Two Student International Travel Awards                           $1,400.00 F. Sponsorship of Book launch at Royal Society                        $933.00 G: Federal GSA error payment refund                                        $344.76 H: GSAV P.O. Box annual rental                                                 $319.00 H. Speaker awards                                                                      $273.85 I. Face to face meeting food & drink costs                                  $256.40  **TOTAL:**                                                                                   $12,815.01  COMMENTS  The second year PhD student award was paid to Anthony Lanati at Macquarie University. No new PhD awards were granted in 2022  Only two Student Travel Awards were applied for and granted in 2022. So far none have been applied for in 2023. I hope that both domestic and international conferences will be more sought after by students wanting to give talks in the remainder of this year.  Given the current amount of money in the GSAV NAB account ($17,825.17 as at the 18th May 2023), there are adequate funds to cover an additional $10,000 should two new 2023 PhD awards be made in 2023, as well as leaving some cash to cover GSAV operating costs for the remainder of 2023.  It has been a pleasure, and an adventure, serving GSAV as Treasurer for the past 4.5 years. Thank you.  Richard Lovell (Treasurer) 18th May 2023  A picture containing text, screenshot, font, number  Description automatically generated ****GSAV Awards Committee Annual Report**** The Awards committee is pleased to present the following report on the 2022-2023 Awards: THE SELWYN MEDAL      Alfred Richard Cecil Selwyn (1824-1902), British geologist and founding Director of the Geological Survey of Victoria and pioneer of the early  geological mapping  of the State.      ****2022  SELWYN MEDAL was awarded to Jill Stevens**** Jill was nominated not only for the quality of her professional work, but primarily for her efforts to ensure the quality of future geoscientists via TESEP, an organisation she started to help teachers teach geology. Jill graduated from the University of Queensland, with First Class Honours (Palynology) and subsequently worked in oil and gas exploration, development and production with Esso Australia (ExxonMobil) in Sydney, Houston and Melbourne in a career that spanned over 40 years. Jill spent a significant amount of time mentoring the early career professional cohort both at the detailed production level and at the big picture exploration scale. Her work on integrating all the geotechnical data to construct a unified detailed chronostratigraphic framework for the southern margin of Australia, with particular emphasis on the Victorian Gippsland and Otway basins, was a key tool for all the exploration geoscience community.  However, it was in 2006 that Jill first recognised there was a lack of exposure to geoscience in high school earth science programs across Australia, so she decided to organize an “Education Forum” at the American Association of Petroleum Geologists (AAPG) International Conference and Exhibition held that year in Perth. There, it was decided (under her leadership) that the best way to improve geoscience education was to “teach the teachers,” which became the primary TESEP objective.  Through the years, Jill has been directly and indirectly responsible for more than 120 one-day workshops – and provided materials to more than 2,000 teachers across Australia.  That translates to contributing to the educational needs of more than 500,000 students. And Jill took on this challenge as a volunteer whilst working full time as a Senior Petroleum Explorationist with ExxonMobil based in Melbourne.  Jill not only coordinated the running of the Professional Development workshops but also helped pull together course materials, find professionals to run the workshops and prepare course materials, hold classroom “incursions” specifically tailored to school classroom needs, prepare the highly successful “Rock Kit” program and most importantly secure funding to keep the TESEP organisation alive and functioning. Jill is the face of TSEP and her efforts have been central to raising the profile of geoscience in Victoria and beyond at the secondary school level.  In recognition of the great work done by all members of the TESEP team, Chairperson Jill Stevens and TESEP were awarded the prestigious 2012 AAPG Harrison Schmitt Award in recognition of outstanding accomplishment in Teacher Education Outreach work.  The award, named after the first geologist-astronaut on the Moon, was initially given to Jill after her nomination by TESEP advisory board members. However, Jill advised AAPG that the founding members of the TESEP team were a talented, dedicated group of educators/geologists, who developed and presented the material at face-to-face workshops and were collectively the reason for the success of the workshop series. In response to Jill's representations, the AAPG awards committee re-conferred the award to "Jill Stevens and TESEP".  Jill was also recognised with the Petroleum Exploration Society of Australia (PESA) Meritorious Service Award in 2008. This award recognised Jill's outstanding long term commitment and provision of exceptional service to the Victorian branch of PESA and the upstream industry generally.  In summary, Jill Stevens has made a significant contribution to Victorian geology by the most significant and impactful way possible; by providing the resources to our high school educators to allow them to engage the hearts and minds of Victorian students. As Jill herself said back in 2012 when interviewed by AAPG about what TESEP means to her, Jill said she wanted to “… sow the seeds that can spark a young individual to pursue earth and environmental science, just like me with my high school teacher Mr. Protheroe.”  Nominated by Glen A Nash and Ashleigh Hood  **2023 GSAV STUDENT AWARDS**  The 2023 FRANK CANAVAN AWARD for the most promising second year geology student in Victoria was awarded to **Eleanor Rowan** from University of Melbourne. Eleanor achieved >90 in all 3 of her second year courses in 2022, with an average of 91.7.  The D. E. THOMAS MEDAL was awarded to **Kalyn Scannell** from University of Melbourne for her 2022 MSc thesis “Sedimentology and Geochemical Analysis of the Sturtian Glacial Sequence in the Northern Flinders Ranges, South Australia”.  Highly commended: 2022 Honours thesis by **Elliott Barrington** of Monash University “Multiscale analysis of the structural architecture of the under-explored South Hirono Domain, within the Yamarna Terrane WA”. 2022 MSc thesis by James La Greca, University of Melbourne “Earthquake environmental effects and Bayesian analysis of ground motion models using chimney fragility curves, 2021 Mw 5.9 Woods Point earthquake, southeast Victoria, Australia”.  I am very grateful for the continuing support of the committee comprising David Moore and Ashleigh Hood.                                                                                                                     John Webb, Chair, GSAV Awards Committee 9 May 2023 ****Events**** No social events were held this year. ****Publications**** None this year however the society supported GSA Victoria members Leon Costermans and Fons Vanden Berg on the launch of their book ‘Stories beneath our feet: Exploring the geology and landscapes of Victoria and surrounds’. ****Education and outreach activities**** **Education Subcommittee Annual Report GSA(V) 2023  James Driscoll**  Over the past year we have continued to reinvigorate the Education Subcommittee with a focus on the Earth and space science component of the Science 7–10 Victorian Curriculum in terms of both content delivery and PD for teachers.  The Monash Mineral and Rock Lending Library continues to be utilised by a number of secondary schools, and we will be submitting a business case to Committee as to expanding this as a GSA(V) outreach initiative asset. Some of the teaching materials from the Latrobe University collection will be incorporated into lending library, while other samples have been donated to Preston High School since two geology undergraduates are now teaching their science and geography curriculum.  Members of the Education Subcommittee (James Driscoll, Emily Rochette and Anne-Marie Tosolini) presented workshops at the Science Teachers’ Association of Victoria (STAV), Geography Teachers’ Association of Victrola (GTAV) and the Laboratory Technicians’ Association of Victoria) (LABCON). The main priorities of these workshops are to provide out-of-field teachers with geoscience teaching resources, and the confidence, to teach the rock cycle (Levels 7 & 8), plate tectonics (Levels 9 & 10), VCE Environmental Science and VCE Geography. We are considering expanding these workshops to the high school teaching community as PD sessions.  Two papers were published in LabTalk, STAV's journal for a teacher audience, and the importance of geoscience education in high schools was presented at the 10th IAG International Conference on Geomorphology.  Driscoll, J. & Hall, M. (2022, September 12-16). Drones and geomorphology in high schools: How to recruit the next generation of geomorphologists, 10th International Conference on Geomorphology, Coimbra, Portugal. <https://doi.org/10.5194/icg2022-201>.  Rochette, E. & White, S. (2021). How do volcanoes work? Harnessing Google Earth and modelling in Earth science. LabTalk, 65(4), 19-26.  Rochette, E. & White, S. (2022). Stuck between a rock and a hard place? Approaches to Teaching Rocks. LabTalk, 66(3), 19-34.  Emily met with the GSA Education and Outreach Group comprised of committee members from around Australia. The meeting was to discuss priority areas for the group to focus efforts toward improving education and outreach in the field of geoscience for teachers, students and the general public. This is the first meeting that Emily has attended and it is anticipated that action items from these meetings will begin to have impact. Notably, Emily will meet with one of the committee members in Adelaide on May 25.  Finally, James has designed a new Rock Garden at the Volcanoes Discovery Centre (VDC) in Penshurst, and provided geoscientific content to the Southern Grampians Shire Council (SGSC) as part of their Volcanic Trail Masterplan. James is working with the VDC Committee and SGSC to provide a geoscience outreach program to high schools in southwestern Victoria. ****Geological Heritage and Promotion****  ****Dr Susan White OAM**** There have been limited issues raised this past 12 months. Although there were several enquiries in 2021-22 regarding potential advice to state government instrumentalities, these have not been followed up and no-one has been in contact regarding the development of Coastal and Marine Management Plans (CMMP) under the Coastal and Marine Act which is unfortunate.  There have been enquiries by consultants and details provided regarding the presence of sites registered on our data base for some development projects, in particular Parwan Cave, the Marinus Cable Project, Tamboon Inlet and the Ausnet Transmission Line project and several windfarms in western Victoria. This is a service that we can provide to consultants at very little effort. The ongoing problems with the Koonwarra Fish Beds continue but GSA(V) appears to be excluded from any further consultation. I believe to a large extent the access to these beds is now not possible and they may be covered up. However they have not been removed.  I continue to be a member of the DEECA Committee of Management (COM) of the Council Trench Geological Reserve at Bacchus Marsh. The COM organises a local geologically based display or activity for Earth Science Week. Last October is was a display and presentation in the Bacchus Marsh Library on Sites of geological and Geomorphological significance in the Bacchus Marsh area. Thanks to Bob Reid for organising this.  Site documentation and the database have continued to be updated. There is a need for updating the database software which I have been unable to find time to sort out and hope to do so shortly. We have over 2000 sites listed but there are about 500 sites that need to be added. We need to update the heritage material on the GSA(V) website.  Interest in appropriate use of the data base for geotourism sites continues but slowly. This needs to be handled carefully as many interesting sites are not suitable either due to risks for the integrity of the site, risks to visitors and the need for appropriate access. I have been appointed as the Victorian representative on two Working Groups (WG 4 & 5) of the Australian Geoscience Council’s (AGC) National Geotourism Strategy as GSA(V) has no Geotourism Subcommittee.  Limited outreach has occurred this year with a short field excursion to the Coburg Lake volcanic sites with the Nature Stewards program.  The subcommittee is very small and I thank those members of GSA and others who have helped this year. I have approached a few people regarding being involved but have had only limited success so far. | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | |  |  | | --- | --- | | |  | | --- | | ****Oreas Victorian Minerals Round-up 2023 – June 22-23 in Ballarat****   The Australian Institute of Geoscientists (AIG) will hold its annual Victoria-focussed conference in Ballarat June 22-23. This years’ conference is themed Victoria’s Prospects: Past, Present and Future.  A responsible and sustainable minerals supply is one of the pillars of economic development and a key element in tackling some of the challenges facing current and future generations. What does Victoria have to offer in this space?  What lessons can we learn from the past?  Where is geoscience heading?  How will we get there?  AIG’s Minerals Round-up conference –– a highlight in the Victorian geoscience calendar –– delivers answers to these questions. From exploration to rehabilitation, regulation to investor advisory, and academia to operations, the AIG Victorian Minerals Round-up will make a deep-dive into Victoria's geoscience sector, showcasing emerging and established projects, providing insights into best practice and the viewpoints of cornerstone industries and services.  The conference, with 30 speakers over 2 days, will be held in the recently renovated Ballarat Goods Shed (immediately beside Ballarat train station). Presentations include 18 Victorian project updates and 12 presentations from geo-focussed technology or service providers supporting geologists and geology. Core display, historic map display and student poster display are in preparation. Bursaries to assist student travel can be applied for online.  This is an excellent opportunity to brush up on Victorian exploration and mining projects and hear what technology and what issues are impacting geosciences. More information (including program and pricing) is available on the AIG website: [https://www.aig.org.au/events/oreas-victorian-minerals-round-up-2023/](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=46167af14e&e=abd3886a29) | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | |  |  | | --- | --- | | |  | | --- | | ****GSA Governing Council****  As a GSA member we invite you to consider being a Governing Councillor. Membership of the Governing Council is a significant, national, professional responsibility, and an exciting opportunity for any Member committed to our profession, its standing and its growth. With the shift in the operational model for the GSA, the 2023-25 Council will also be instrumental in working with a service provider to establish a new modus operandi for the society. An ideal Council will include a mix of attributes such as: vision and a national perspective; energy and enthusiasm; wisdom; business acumen and management experience; experience in GSA committees; and recognition within the profession. If you are early in your career and don’t have experience on a committee, please don’t discount yourself. The Governing Council needs dynamic early-careerists with enthusiasm, new ideas and a fresh approach.    **What skills or experience does it take to be a Governing Councillor?**   * Passion and interest for geoscience and the Society: willingness to get involved and time to volunteer is critical * Diversity of thought and experience: different perspectives are essential to the growth and future of the GSA * Effective communication and teamwork skills: capacity to work well with others in meetings and discussions, emails and phone calls. * Strategic thinking: the ability to think nationally and internationally. * Embrace professional development: stand out from the crowd and improve your professional development. Contributing on the Governing Council can benefit you.   The Governing Council is a 9-member group that is responsible for the GSA national strategy, comprising five elected General Councillors and four Division Councillors (for 2023-2025 these Divisions are the ACT, Victoria, Northern Territory and Western Australia).  If there are more than five nominations for General Councillor positions, then there will be a ballot of all members, but if not, the nominations go forward. The incoming Governing Council will be endorsed during the AESC 2023 (27-30 June 2023).  The Nomination process Nominations are open to most membership categories ([Governing Council Election Process](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=abdc42769b&e=abd3886a29))  Nominations require endorsement by two Full or Retired Members. Nominations for General Councillor close on the **12th May 2023**. If required, ballot papers will be sent to all Members by the 26th May 2023 with voting to closing on the 21st June 2023. ([Access Governing Council Nomination Form](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=6f764bdcc9&e=abd3886a29))  Your Nomination is to include: A summary of qualifications to serve as a Councillor (maximum of 400 words) including:     a.  Academic, professional and community qualifications and recognition     b.  Relevant work and board/committee experience     c.  Portrait image of yourself (optional)     d.  Contributions to GSA and     e.  Key issues that you believe that GSA needs to address  Nomination forms must be email to [info@gsa.org.au](mailto:info@gsa.org.au) **no later than the 12th May 2023**.  Additional Information The governance model has been developed to strengthen the strategic decision-making and development of the GSA. It meets regularly by zoom and aims to hold at least one face-to-face meeting each year. Substantial authority is delegated to the CEO and a smaller Executive Committee, drawn from within Council, to ensure prompt response to opportunities and issues. The President will be appointed from the elected Council.  If you have any queries about the nomination process, or the benefits of serving as a Councillor, please contact [sue@gsa.org.au](mailto:sue@gsa.org.au) or one of the Governance committee members:   Pete Betts [peter.betts@monash.edu](mailto:peter.betts@monash.edu)  Joanna Parr [Joanna.Parr@csiro.au](mailto:Joanna.Parr@csiro.au) Verity Normington [veritynormington@hotmail.com](mailto:veritynormington@hotmail.com)   Thank you for considering nominating for General Councillor. Being on the Governing Council is your opportunity to shape the future of the Society.  Pete Betts President, GSA | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | |  |  | | --- | --- | | |  | | --- | | Save the Date: CAVEPS 27-30 November 2023MELBOURNE A picture containing dinosaur, fang, clipart, cartoon  Description automatically generated  On **27–30 November this year, the biennial 18th Conference on Australasian Vertebrate Evolution, Palaeontology & Systematics (CAVEPS), will take place at Melbourne Museum**.   This is the premier regional meeting of palaeontologists, other scientists, students, and enthusiasts making discoveries of fossil fishes, reptiles, dinosaurs, and mammals, uncovering their evolutionary history and that of their environments.    CAVEPS is a not-for-profit conference without an umbrella association/organisation, run by a small team of volunteers. CAVEPS has, at its core, the aspiration to provide opportunities for student/early career researchers to present their research to experts in the field, and receive crucial professional development and networking experience.    This will be just the second time this conference has been held in Victoria (the first time was in 2007) and it will be the first conference on this popular subject to be held in Australasia since 2019.  Erich Fitzgerald  For more information follow their Facebook feed: [https://www.facebook.com/groups/418078698316877](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=f367e9067e&e=abd3886a29) | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | |  | |  |  | | --- | --- | | |  | | --- | | A close-up of a magazine  Description automatically generated with low confidence | | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **Forthcoming events** Unless otherwise noted, all 2023 talks will be via Zoom.  **RSV/GSAV Howitt Lecture 22 June 2023:** Glaciers and ice sheets in a warming world, Professor Andrew Mackintosh, Head of the School of Earth, Atmosphere and Environment at Monash University. (Please note that the previous newletter referred to a previous lecture in error). | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **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](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=a09a5847e8&e=abd3886a29). | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **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 the secretary at  [gsavictoria@gmail.com](mailto:gsavictoria@gmail.com).  Newsletter deadline: First Friday of the month, except for December and January. | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **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) | | |  |  |  | | --- | --- | | |  | | --- | |  | |  |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **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](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=4d12528723&e=abd3886a29) and [www.gsavic.org](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=5c3d79f162&e=abd3886a29). Contact details for the GSAV Committee can be found at  [www.gsavic.org/committee.html](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=dafdf9126d&e=abd3886a29). | | | | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Copyright © 2018 GSA Victoria, All rights reserved. You are receiving this email because you are a member of the Geological Society of Australia (Victoria division).  **Our mailing address is:** GSA Victoria GPO Box 2355 Melbourne, VIC 3001 Australia  [Add us to your address book](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=df6055ed09&e=abd3886a29)  Want to change how you receive these emails? You can [update your preferences](https://weebly.us3.list-manage.com/profile?u=0d0d74838edc0308a0ebe95e6&id=bbc53b0e3b&e=abd3886a29&c=07ac36074e) or [unsubscribe from this list](https://weebly.us3.list-manage.com/unsubscribe?u=0d0d74838edc0308a0ebe95e6&id=bbc53b0e3b&e=abd3886a29&c=07ac36074e) | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | [Twitter](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=1cf6ed3ccd&e=abd3886a29) | [Twitter](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=e66247d0e7&e=abd3886a29) | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | [YouTube](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=e068757e80&e=abd3886a29) | [YouTube](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=9cced48818&e=abd3886a29) | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | [GSAV website](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=d661e72078&e=abd3886a29) | [GSAV website](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=04489da323&e=abd3886a29) | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | [Instagram](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=0660ba63b7&e=abd3886a29) | [Instagram](https://weebly.us3.list-manage.com/track/click?u=0d0d74838edc0308a0ebe95e6&id=c1a1f89676&e=abd3886a29) | | | | | | | | | |