



SOCIETY OF ECONOMIC GEOLOGISTS, INC.

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Student Chapter Annual Report Cover Page

Submission Deadline: September 30th

Submit to: studentprograms@segweb.org

Month/Year Reported: From 11/2022 (mm/yyyy) - To 09/2023 (mm/yyyy)

STUDENT CHAPTER:

Check if update needed at segweb.org

Name: SEG-SGA-WA Student Chapter
University Affiliation: University of Western Australia and Curtin University
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Twitter:
Instagram:
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YouTube:

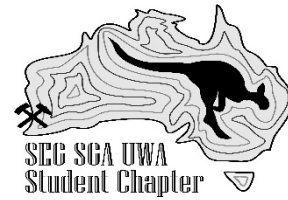
Chapter Executive Committee (in office during the time frame captured on this report) (type "Vacant" if position not filled): The new committee is reported on the Student Chapter Membership Information form (SCMIF).

President: Jerry Dunga, jerry.dunga@research.uwa.edu.au
VicePresident: Elina Kong, elina.kong@research.uwa.edu.au
Secretary: Anthony Clarke, anthony.j.clarke1@postgrad.curtin.edu.au
Treasurer: Carolina N. Mafra, carolina.nogueiramafra@research.uwa.edu.au

Chapter Academic Sponsor: Steffen Hagemann, steffen.hagemann@uwa.edu.au
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Chapter Industry Sponsor (not affiliated with the student chapter's institution): Steve Garwin, sgar@iinet.com
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96A Monash Avenue, Nedlands, WA 6009, Australia

Sponsoring Institution or Company(name): The Centre for Exploration Targeting, UWA



SEG-SGA UWA STUDENT CHAPTER

ANNUAL REPORT 2022-2023

EXECUTIVE COMMITTEE (OUTGOING)

President:	Jerry Dunga
Vice-President:	Elina Kong
Treasurer:	Carolina Nogueira Mafra
Secretary:	Anthony Clarke
Webmaster:	Lauri Virnes

MEMBERS LIST

1. Jerry Dunga*
2. Hoi Ian (Elina) Kong*
3. Anthony Clarke*
4. Carolina Nogueira Mafra*
5. Lauri Taipo Virnes*
6. John Grigson*
7. Anne Brandt Virnes*
8. Raiza Quintero*
9. Maria Cherdantseva*
10. Ravi Schreefel*
11. Sumail*
12. Abhijit Kurup*
13. Edmore Marima*
14. Jose Victor Antunes de Amorim
15. Katharina Kuper
16. Luke Smith
17. Catherine Gill*
18. Matilda Boyce
19. Malvina Chmierlaski
20. Lucas Tatnel¹
21. Vinicius Antunes Ferreira da Silva¹
22. Joshua Chong*
23. Alex Eves¹
24. Jonathan Garcia Castillo¹
25. Nicolas Zuluaga Velasquez¹

*SEG Student members; ¹2023 new members of the student chapter

ACTIVITIES OF 2022/2023

1. Regular meetings

As per our chapter constitution, we have held regular, monthly basis to discuss:

- Event planning
- Field trip planning
- Chapter advertisement at multiple events
- Recruitment of new members, especially undergraduate students and students from Curtin University
- Taking part in special events, especially for collaboration

Note that our Annual General Meeting (AGM) has been delayed due to travel for two of our serving executives. Once they are back next month, we will conduct an AGM, and appoint new executives.

2. Lectures

We did not have an SEG Distinguished Lecturer visit us for this report period. However, we did have the following lectures or short courses:

- Masterclass with Prof. George Beaudoin, 2022 UWA Robert and Maude Gledden Senior Visiting Fellow; Chief Editor of Mineralium Deposita (31st Oct 2022)*
Prof. Beaudoin talked about stable isotope geochemistry of orogenic gold deposits. This masterclass was attended by majority of the student chapter members.
- Porphyry Day Talks (30th March 2023)*
Porphyry Cu-Au system experts John Dilles and Bob Loucks, with other experts, presented great talks and panel discussion on what makes a high-grade porphyry system.
- Application of Artificial Intelligence in geology and mineral exploration (17th Aug 2023)*
Rio Tinto Exploration Data Manager, Dr. Tamara Vasey, was our keynote speaker during our Student-Industry networking night. Dr. Vasey talked about the role of Artificial Intelligence and how it is applied in geoscience, and how geologist must adapt to this technological revolution to be relevant.

3. Field trips

A planned, interstate field trip, in collaboration with the University of Tasmania SEG Student Chapter, did not eventuate due to limited interest and lack of funds. High prices in airfares (after Covid-19) did not help either.

We are currently planning to visit mines in the north and northwest regions of Western Australia next year, to be led by Associate Prof. Tony Camp and Dr. Chris Fisher.

4. Stewart R. Wallace Fund usage

The Stewart R. Wallace Fund has not been utilized yet. We aim to spend it on the mine visit trip referred to above. However, prior consent will be sought from the SEG office for re-allocation.

5. Organization of conferences, workshops, short courses

- a) *Porphyry Day, University of Western Australia (30th March 2023)*
SEG-SGA UWA Student Chapter collaborated with the UWA Centre for Exploration Targeting to host a successful Porphyry Day short course attended experts in academia and industry alike.
Porphyry experts John Dilles and Bob Loucks made keynote speeches, followed by a debate session between them, and concluding with discussions with panel members including John Hornsky, Graham Begg, John Dilles, Marco Fiorentini, Steve Turner, Brian Tattitch and Jerry Dunga.
The chapter also spear-headed the well-attended Sundowner Event after the short-course.
- b) *Micro-XRF Open Day Short course, University of Western Australia (29-30th May 2023)*
SEG-SGA UWA Student Chapter collaborated with the UWA Centre for Exploration Targeting, Bruker Nano Analytics and Portable Spectral Services to stage a Micro-XRF Open Day for students, staff, and industry professionals.
- c) *Leapfrog Training, Seequent Office, Perth, Western Australia (5th June 2023)*
12 members of our student chapter attended a leapfrog training, organised by executive of the SEG-SGA Student Chapter, and kindly offered at no cost, by Seequent. The students benefitted greatly from the expertise on hand and follow up programs that Sequent enabled.

6. Participation in conferences, workshops, short courses

- a) *SEG Conference, London, and SGA Conference, Zurich (28 Aug to 1st Sept 2023)*
Only one of our student chapter members attended the SEG Conference in London (poster presentation). 8 student chapter members attended the SGA Conference in Zurich, who all presented 15-minute talks. The clash in the scheduling did not allow us to attend both.
- b) *6 International Archean Symposium, Perth, Western Australia (25-27th Jul 2023)*
7 of our student chapter members actively participated as volunteers in the prestigious International Archean Conference which is held every 10 years. 3 of our student chapter members presented 15-minute talks, a few presented posters while the rest of the members attended the symposium.
- c) *Target Conference, Perth, Western Australia (28th Jul 2023)*
This conference followed on from the 6 IAS, focussing on recent advances in mineral exploration targeting techniques. 2 student chapter members participated actively as volunteers/organisers while the rest were attendees.

7. School of Earth Sciences (SES) Seminar Series Discussion Sessions and Sundowners

A reoccurring UWA School of Earth Sciences Seminar Series, where the student chapter organises a post-seminar Sundowner and Discussion Session. Experts of a particular field of earth sciences are invited to give an hour-long lecture on their choice of topic. The topics of these seminars are quite often related to economic geology. We sell drinks for Gold Coin Donations and promote our chapter.

Promotion and fundraising

During 2023 the SEG-SGA UWA Student Chapter promoted the chapter during multiple events to attract new members and sponsors. These included:

a) Student-Industry Networking Night (17th Aug 2023)

This was our biggest event of the reporting period which was well attended by more than 100 students from both geology and engineering backgrounds who met and interacted with major industry players who turned up in numbers. The event was organised by the SEG-SGA WA Student Chapter, in collaboration with the UWA Woolnough Society, which is made up of undergraduate geology students. This event was well supported by 16 major mining and exploration companies operating in Western Australia, and these include Rio Tinto, Mincor Resource/Wyloo Metals, BHP, Dreadnought Resources, Lefroy Exploration, Pilbara Minerals, First Quantum Minerals, Anglo American, and Ariana Resources, Encounter Resources, Gold Road Resources and Northern Star Resources, Regis Resources, Antipa Minerals and IGO. Each company was allocated exhibition booths for efficient interaction with the students. The event was a huge success.

b) The Centre for Exploration Targeting (CET) annual Members Day (28th Nov 2022)

This event showcases current research to industry sponsors. The student chapter advertised our group via banners and posters and used the opportunity to call for sponsorships.

c) UWA O-day and Club Carnival (24th Feb 2023)

This is an open day on UWA Campus where every student-run organisation can advertise themselves to recruit new student members. We attracted 8 new students at the close of the day.

d) Semester Barbecues

The SEG-SGA WA Student Chapter organises 'Start of Semester' and 'End of Semester' barbecues as part of promotion and advertising to attract members, and at the same time, connect students together who are of diverse cultural backgrounds.

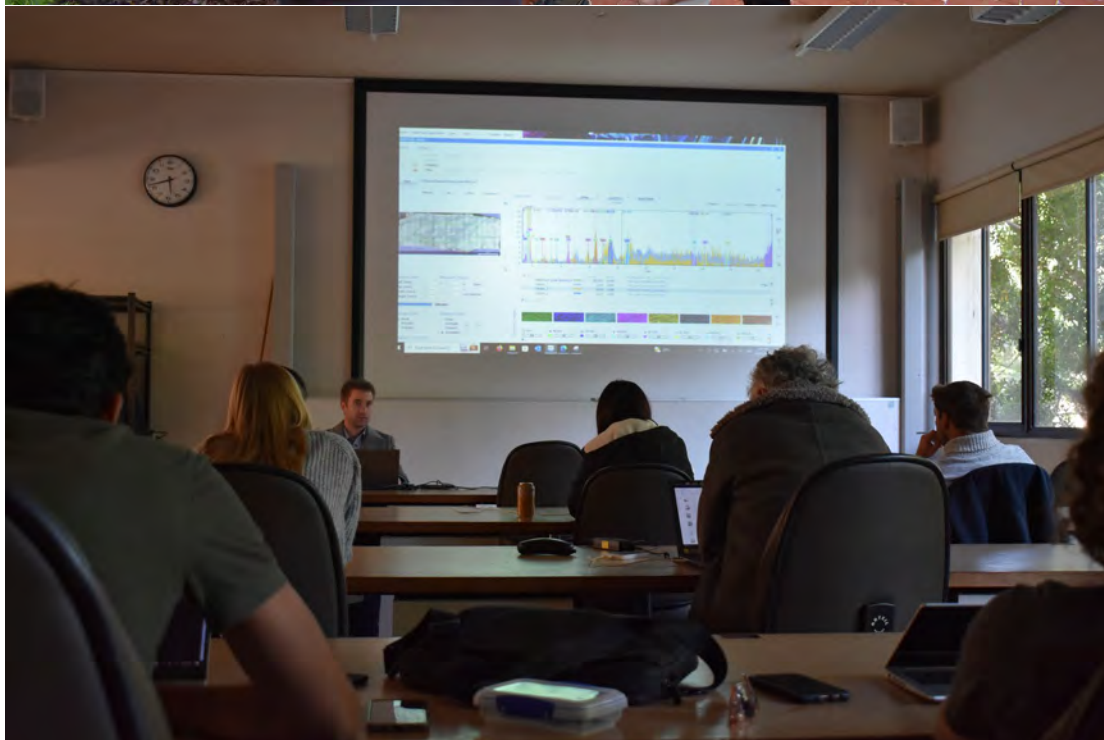
8. Recruitment of new members

Our focus this year has been on promoting and recruiting of new student members. We have recruited new members from UWA and Curtin University, especially. However several members have graduated from last year. As interest builds at Curtin, we will plan to recruit new members in the coming year.

9. Plans for 2022/2023

- 1st Dec 2023: GSA WA - GESSS Earth Science Student Symposium (<https://gessswa.wixsite.com/2021>). Present to fundraising/recruit members.
- 23 Nov 2023: CET Members Day: Advertise and call for sponsorship.
- Mar 2024: A week's trip to visit mines located in the north and northwest regions of Western Australia
- Aug 2024: Industry Networking Night, with a technical talk and networking opportunity between student, researchers and industry over drinks and food.
- Continue the SES seminar series and sundowners and invite industry partners and academic economic geologists to give technical talks.
- Host a visiting lecturer from SEG.

10. Photos8



Photos: Micro XRF Open Day barbecue (top) and training session (bottom) , hosted by the SEG-SGA Student Chapter, in collaboration with Centre for Exploration Targeting – UWA, Bruker Nano Analytics and Portable Spectral Services, on the 29th of May 2023. The training and sundowner events were well attended by students, staff and industry professionals.





Photos from the Student-Industry Networking Night, 17th Aug 2023, organised by the SEG-SGA Student Chapter, in collaboration with the Woolnough Society. 16 major mining and exploration companies in Western Australia turned up to support the event, which was attended by more than 100 students.



Members of SEG-SCA WA Student Chapter and Woolnough Society collaborating to promote the chapter during the O-Day, held at the University of Western Australia, on the 24th of Feb 2023.