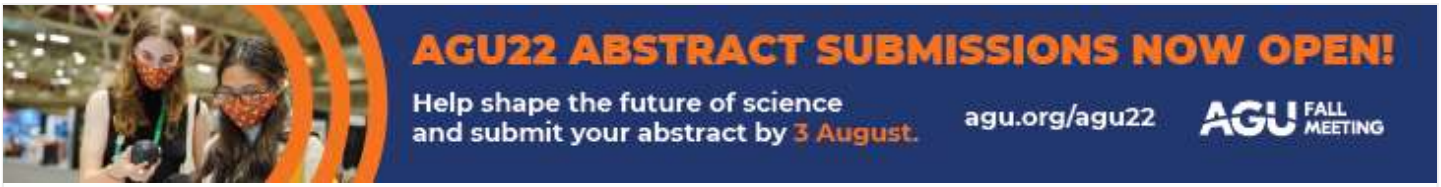

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(0) Introduction

Yet another newsletter? Yes, and with good reason. Did you know this year's Fall Meeting will be in Chicago? Did you know the average precipitation in Chicago is less than half that in San Francisco in December? Did you know that Chicago's O'Hare airport is ranked lower than SFO in weather.com's list of the 10 most weather-delayed airports? And that the months of December and October have lower average flight delays than all other months?

Did you know our newsletters provide news on recent and notable earthquakes? Did you know that AGU will provide our section with more funds if enough of you donate $50? Did you know section funds are used to sponsor the Seismology and Tectonophysics reception at the Fall Meeting, as well as travel grants, childcare grants, mentoring luncheons and more? Did you know that in 2020 we created learning and networking opportunities to graduate students from all around the world during June, July and August (ROSES) and continue to provide these in 2022? Did you know there are quakes on Mars? Did you know that Philippe Lognonné will give the 2022 Gutenberg Lecture at the Fall Meeting? Did you know that an international group of seismologists began a new open access, no fee professional journal called Seismica (twitter handle @WeAreSeismica)? Did you know you can share your own news and access thousands of seismologists and other geophysicists via the AGU Discussion Communities at https://connect.agu.org/home? We could go on, but better yet is to read the newsletter itself. Enjoy, and see you in Chicago in December :-)

(1) AGU Fall Meeting 2022-Abstract deadline 3 August!

AGU Fall Meeting 2022 will be held in Chicago and online everywhere between 12-16 December 2022. The abstract submission is now open with a deadline on 3 August (23:59 EDT/03:59 +1 GMT). Please consider submitting your abstract to the *Seismology Section* which features 25 distinct sessions and also co-organizes 9 other sessions, covering a diverse range of subjects. First authors can submit up to two contributed abstracts (i.e., non-invited abstracts), as long as the second

abstract is submitted to a session led by a different section from the first abstract. Please follow the submission instructions on the AGU website. The scientific program is expected to be released on 4 October when the abstract notification emails are also sent out.

Meeting registration will be open on 17 August through the AGU website with the early bird registration deadline on 2 November. The registration rates are the same for both in-person and online attendees. In-person housing rates have also been released on the AGU website (here is a hotel map).

(2) ROSES 2022 (Seasonal Seismology School)

ROSES (Remote Online Sessions for Emerging Seismologists) 2022 will run for 8 weeks, starting on 27 June. We will explore one topic every two weeks.

This year, the AGU seismology section is offering an active review of several topics, complete with TA assistance. The course covers both traditional topics including Data and Metadata, Waveform Cross Correlation, Digital Signal Processing, ObsPy, as well as a Conference Poster Design special seminar.

Additionally, feel free to take advantage of the resources from the last two offerings, including video lectures and guided python notebooks for ROSES 2020 and ROSES 2021.

(3) Read the paper with the author: call for lightning videos

We continue to call for lightning videos for our ' Read the paper with the author' series. In this series, we invite authors of newly published papers to introduce their work through short videos (3-5 mins). We will highlight these new research findings, especially for early-career researchers, on our social media channels, Twitter and Facebook. We also welcome you to recommend the work of your colleagues or self-recommend research. Please contact our section's Communications Specialist Jiaqi Li (jli@epss.ucla.edu) to help us promote and spread seismology.

(4) Call for volunteers

We are looking for student and early career researchers who would like to serve on our Seismology Executive committee for the new year. You will have a chance to get to shape the seismology section, to network with others and to help us with projects such as ROSES and our digital communications. Contact martha.savage@vuw.ac.nz if interested.

(5) Science and Society Dialogue - 25 July at 2PM ET

Learn more about Art and Science at the first Science and Society Dialogue on 26

July at 2 PM ET!

Work at the science and society interface benefits from increased awareness of, and research in, how to share science, collaborate with the arts, inform policy making, and effectively work with communities and decision makers. In this first event of the Science and Society Dialogues Series, we will hear from Sara Black (Associate Professor, School of the Art Institute of Chicago) and Collin Malloy (Artist-in-Residence, Ocean Networks Canada) about their work at the intersection of art and science, followed by a facilitated discussion.

Come be inspired, discover the value of combining art and science, and discuss the tremendous opportunities for art science collaborations.

All disciplines and interests are welcome! This is an opportunity for anyone new to the Science and Society section to learn more, anyone already familiar to make new connections, and for everyone to inform the directions and work of the section in the future through thought provoking presentations and conversations.

Register here.

(6) Recent Afghanistan Earthquake:

On 21 June 2022 at 15:57 UTC, an earthquake of magnitude 6.2 Mw struck Southeastern Afghanistan, followed by an aftershock of magnitude 4.0 Mw on 24 June 2022. The Afghani and Pakistani provinces of Paktika, Khost and Khyber Pakhtunkhwa were the most affected by the earthquake. At least 119 million people, including those in Pakistan's Punjab and sections of India and Iran, felt it more than 500 km away.

The World Health Organization (WHO) reports that in Paktika and Khost Provinces, there have been 1,039 fatalities, 2,949 injuries, and 4,500 homes that have been partially or completely destroyed. Giyan, Barmal, and Ziruk Districts in Paktika Province, as well as Spera in Khost Province, are the most impacted Districts.

The earthquakes are hosted within the almost 900 km long Chaman transform fault system, which is an active, primarily transform and left-lateral strike-slip fault system in eastern Afghanistan. The focal mechanisms of both the foreshock and aftershock are predominantly shallow strike-slip events at 5-11 km depth, likely presenting a northeast-striking left-lateral fault that matches the strike of the Chaman Fault. Previous major events reported within the Chaman transform fault system were the 7.7 Mw 1935 Balochistan Earthquake that killed around 50,000 and another major 6.4 Mw event in 1978.

For further information on the event visit the USGS event page.
Donate for 2022 Afghanistan Earthquake relief: https://help.unicef.org/afghanistan-children.

Best regards,

Suzan van der Lee (AGU Seismology Section President)

Colleen Dalton (AGU Seismology Section Secretary)
Martha Savage (AGU Seismology Section President-elect)
Anne Sheehan (AGU Seismology Section Past President)
Qinya Liu (Fall Meeting Program Committee)
Wenyuan Fan (Fall Meeting Program Committee)
Jiaqi Li (Early Career Exec Member and Communications Specialist)
Pritom Sarma (Student Exec Member)
Nate Stevens (Student Exec Member)
Liam Toney (Student Exec Member)

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