About E-News

AWG E-News is a monthly publication distributed the last week of each month.

How do I get my update included in the E-News?
Updates for E-News must be submitted to Enews@Awg.org by the 3rd Friday of the month.

How do I advertise in the E-News?
For information on advertising with AWG, please visit AWG.org/Advertise or email Ads@AWG.org.

How do I unsubscribe from the E-News?
Please email Office@AWG.org.

About AWG

The Association for Women Geoscientists (AWG) is devoted to enhancing the quality and level of participation of women in geosciences and introducing girls and young women to geoscience careers.

Our diverse interests and expertise cover the entire spectrum of geoscience disciplines and career paths, providing unexcelled networking and mentoring opportunities. AWG members are brought together by a common love of earth science and the desire to ensure rewarding opportunities for women in the geosciences.

Visit AWG.org to join!

Donate to AWG’s Chrysalis Endowment

The Chrysalis Endowment provides scholarships to women geoscientists who’ve had an interruption in their graduate studies. These women are goal-oriented problem solvers, and the Chrysalis Scholarship helps them finish their degrees and bring their skills to the workplace.

Click here to donate to the AWG Chrysalis Endowment.

Your donation is greatly appreciated!

AWG Chapters

US Chapters
- Baylor University
- Black Hills (SD Mines)
- CSU, Northridge
- DMV
- Florida
- Great Lakes
- James Madison University
- Laramide
- Loma Linda
- Lone Star (Texas)
- Los Angeles/Orange County
- Minnesota
- Montana
- Nebraska Cornhuskers
- New England
- North Dakota
- Northern Florida
- Oklahoma City
- Osage
- OSU Cowgirls
- Ozark HAWGs
- Pacific Northwest
- Penn State
- Rajin’ Cajuns
- Red Rock (Southern Utah University)
- Salt Lake City
- San Diego State University
- San Francisco Bay Area
- Sierra
- Southeastern Bluegrass
- Sun City (El Paso)
- Southern Arizona
- University of California, Davis
- University of Tennessee Martin
- University of Wisconsin, Madison
- Vanderbilt
- William and Mary
- Williston Basin Chapter

International Chapters
- Calgary
- Dalhousie University
- Ireland
- Mongolia
- Patagonia
- South East Asia
Recommended Reads

Suggested books, blogs, podcasts, and more from the AWG editorial team.

- An Alfred P. Sloan Foundation Grant will support the Ethics and Equity Initiative which is being developed by the American Geophysical Union and the National Center for Professional & Research Ethics. [https://eos.org/agu-news/agu-awarded-grant-from-the-alfred-p-sloan-foundation](https://eos.org/agu-news/agu-awarded-grant-from-the-alfred-p-sloan-foundation)

- As NASA looks to head back to the moon -- "The Artemis program will send the first woman and the next man to the Moon..." ([https://www.nasa.gov/artemis-moon-program-advances](https://www.nasa.gov/artemis-moon-program-advances)), Dr. Darby Dyar continues to study the Apollo lunar samples, soon to include a sample still in its vacuum-sealed package. ([https://www.npr.org/2019/07/08/736212760/moon-rocks-still-awe-and-scientist-hope-to-get-more](https://www.npr.org/2019/07/08/736212760/moon-rocks-still-awe-and-scientist-hope-to-get-more))

- There was one woman engineer in the launch room for Apollo 11; Her interview ended with a thought-provoking message [https://www.govexec.com/technology/2019/07/apollo-engineer-who-almost-wasnt-allowed-control-room/158565/](https://www.govexec.com/technology/2019/07/apollo-engineer-who-almost-wasnt-allowed-control-room/158565/)

AWG Board Elections

You should have received the ballot for AWG Board elections -- please vote! Candidate biographies can be read here [https://drive.google.com/file/d/1TPvY0vdeoeyeELPEmQ9DYk5i9JDVNyS/view?usp=sharing](https://drive.google.com/file/d/1TPvY0vdeoeyeELPEmQ9DYk5i9JDVNyS/view?usp=sharing)

We have a new position which we need to fill -- please consider if you have a little bit of time to devote to promoting the mission of AWG -- *enhancing the quality and level of participation of women in geosciences and to introduce girls and young women to geoscience careers!*

**VOLUNTEER NEEDED—Communications Coordinator:** The primary webmaster for the Association website, tasked to update and maintain information on the site to ensure resources are available and relevant to all Association members. Additional duties include coordinating media (social and other) communications with the Secretary, Editor, and related committees and assisting Chapters with related media outreach programs.

We are happy to announce a new Assistant Editor for E-News: Emily Kam, currently an Intern with Exxon in Houston, is coming on board. Stay tuned for more about Emily in the August E-News. Welcome, Emily!
DON’T FORGET TO RENEW YOUR 2019 AWG MEMBERSHIP!


If you have any questions, need assistance or wish to renew by phone call the AWG office at 303-412-6219 or email to office@awg.org.

Chapter News

Patagonia Chapter

To celebrate the International Day of Women and Girls in Science, the Universidad Nacional de Río Negro invited Noelia Carmona, AWG International Delgate, for an interview. She reports that she was able to mention some of the activities of the AWG (https://www.unrn.edu.ar/noticias/Dia-de-la-Mujer-y-la-Nina-en-la-Ciencia-Si-no-nos-involucramos-no-podemos-esperar-cambios-578). Gracias, Noelia! The chapter also has great plans for a Science Club for kids and we look forward to hearing how that progresses.

Los Angeles/Orange County Chapter

The LA/OC Chapter strives to travel quarterly to 4 different parts of the LA Basin to encourage more member participation. They enjoyed an Orange County Water District Tour in October 2018, and a Happy Hour and Networking Event in April 2019, at On the Rocks Bar & Grill in Long Beach, CA during the PSAAPG Meeting. They also held a Fossil/Career Day at Cleminson Elementary School, El Monte, CA in March, where they shared fossils with two 2nd grade classrooms with a "Make Your Own Trace Fossil" activity for the students.

University of Arizona Student Chapter

In addition to regular membership and officer meetings, the chapter enjoyed a November 2018 hiking trip and hosted outreach programs with girl scouts and at a retirement community. (Photos below)
Osage Chapter

We did a total of six outreach events in 2018-19. Approximately half the events focused on encouraging young women to find delight in the science and to think scientifically. These events included Women in Science Day at Washburn University and Enhancing Your Future Through Science and Math at Emporia State University. Other activities were for whole families, including Kaw Valley Eagles Day. The harsh winter weather made our spring outreach calendar a little sparse; many school activities were cancelled when classes were cancelled. In December we held a Wine and Cheese Holiday Party and Silent Auction Fundraiser, co-sponsored by University of Kansas Geology Department. We also organized a Panel: “Pioneering the New Normal: the Women Leading Today’s Geosocieties”, with co-sponsorship by the University of Kansas Geology Department and the Emily Taylor Center for Women and Gender Equality & ETC Women in STEM Mentorship Program, in March.

Left Image: A KU lab group takes a photo in our ‘photobooth’
Right Image: poster for the event

Bottom Image: (left to right) Robbie Gries, GSA President; Sarah Morton-Rupert, AWG SouthCentral Delegate; Leila Joyce Seals, AWG Osage President; Mackenzie Cremeans, AWG International President; Nancy House, SEG Past-President; Eve Sprunt, AGI Past President; Blair Schneider, AWG Foundation Director.
Sand Student Research Presentation Travel Award

The Sand Student Research Presentation Travel Award provides women geoscience students with support to present their research at the Annual Meeting of the Geological Society of America. This travel award is named for Virginia (Ginny) Sand (1928–2007), an award-winning geoscience teacher and world traveler. Ginny graduated from Northwestern University with a degree in geology, and she spent three decades teaching geoscience at Kent State University after obtaining her M.A. Her many activities supporting AWG included serving as editor of Gaea (1988–1991). Her travel destinations ranged from the Galapagos Islands to Iceland and, at the age of 76, included a journey to Antarctica.

The award is to be used to help defray travel, lodging, registration fee, and other expenses associated with the presentation of the awardee’s research at the Annual Meeting of the Geological Society of America.

The application deadline is August 10, 2019.
Visit [http://awg.org/Awards](http://awg.org/Awards) for more information.

Takken Student Research Presentation Travel Award

The Takken Student Research Presentation Travel Award provides women geoscience students with support to present their research at a national or international professional geoscience meeting other than the Annual Meeting of the Geological Society of America. This travel award is named for Suzanne Takken (1925–1997), an avid traveler and strong supporter of women in geoscience. Suzanne spent a long career in Oklahoma City, Oklahoma, as a petroleum geologist for a major petroleum corporation and as a consulting geologist after her retirement. She served terms as president of AWG (1989–1990) and director of the AWG Foundation (1996–1997) and was awarded the AWG Distinguished Service Award in 1993. She especially enjoyed traveling to countries in Asia and the Pacific region.

The award is to be used to help defray travel, lodging, registration fee, and other expenses associated with the presentation of the awardee’s research at a national or international professional geoscience meeting other than the Annual Meeting of the Geological Society of America.

The application deadline is August 10, 2019.
Visit [http://awg.org/Awards](http://awg.org/Awards) for more information.
Universität Hamburg is dedicated to sustainability, equal opportunity, and family-friendly policies. We also prize cultural diversity, communication, and interaction among people from different backgrounds and with different lifestyles.

As a University for sustainability, we put human resources development and especially the development and advancement of our early career researchers at the fore of our strategic endeavors. By strengthening the tenure-track professorship, Universität Hamburg has introduced a new career opportunity for early career researchers.

Due to the success of the tenure-track program run by the Ministry for Education and Research and to strengthen the research area/research areas Climate, Earth and Environment, Universität Hamburg invites applications for the following tenure-track professorship:

The Faculty of Mathematics, Informatics and Natural Sciences invites applications for a **TENURE-TRACK Professorship (W1 Tenure track leading to W2) for Methods of Machine Learning in Geophysics** commencing as soon as possible, Ref. no. JP 296.

**Responsibilities:**

The successful candidate is expected to conduct basic research in the field of machine learning or, more generally, data-driven analyses in geophysics. We are especially interested in the application of these methods to problems in solid Earth geophysics, especially the propagation of seismic waves or subsurface imaging using the methods of applied geophysics. In addition to the development of machine learning strategies for (automated) data analysis, the candidate should draw conclusions about fundamental physical processes via reverse engineering. Synergies with the research being conducted in other research groups at the Institute of Geophysics is highly desirable.

Participation in the University’s core research area Climate, Earth and Environment is also a requirement of the position. Integrating climate-related research topics (e.g., carbon capture and storage (CCS), perma-frost) among other things is desirable. The candidate can cooperate with the Center for Earth System Research and Sustainability (CEN) and in current projects in the Cluster of Excellence Climate, Climatic Change, and Society (CLICCS) as well as initiate his or her own projects.

In both research and teaching, the candidate is expected to cooperate with other national and international institutions and to initiate the creation of new, externally funded research projects. We further expect the candidate to lead a scientific research group and take an active part in academic self-governance.

The successful candidate is expected to teach courses in geophysics in the Bachelor of Science and Master of Science in Geophysics as well as to participate in the teaching and supervision of doctoral candidates. Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

*Continued Next Page*
Job Opportunity

Requirements:
Academic qualifications and additional requirements as specified in Section 18 HmbHG.

Additional criteria:
Applicants are expected to have international research experience in the field of machine learning in geophysics as well as initial experience in acquiring external funding and carrying out externally funded projects. Projects and publications as well as a broad interest in geophysics issues should attest to the applicant’s research activities. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

The post holder is expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment providing he or she does not have the requisite skills when starting.

A tenure-track evaluation will be conducted during the second phase of the junior professorship in order to determine whether requirements for appointment to a W2 professorship have been met. Section 15 HmbHG applies. If the evaluation is positive, the candidate will be offered a tenured W2 professorship. The regulations prohibiting internal appointments (Hausberufungsverbot) also apply to this junior professorship.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

Hearings are scheduled to take place on 10 October 2019 and 11 October 2019.

For further information, please contact Prof. Dr. Celine Hadziioannou at +49 40 42838-2980 or celine.hadziioannou@uni-hamburg.de and Prof. Dr. Matthias Hort at +49 40 42838-3969 or matthias.hort@uni-hamburg.de.

The application deadline is 15 August 2019. Please submit your application with your CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans, and the reference number JP 296, preferably by email in a single PDF file, to: Bewerbungen@verw.uni-hamburg.de or per post to:

An den
Präsidenten der Universität Hamburg
Stellenausschreibungen
Mittelweg 177
20148 Hamburg

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Job Opportunity

ETH Zürich

Professor or Assistant Professor (Tenure Track) of Physics of Soils and Terrestrial Ecosystems

The Department of Environmental Systems Science (www.usys.ethz.ch) at ETH Zurich invites applications for the above-mentioned position focusing on (1) physical processes controlling water, energy, and/or mass fluxes in the subsurface and (2) their implications for biogeochemical processes, organisms and/or ecosystems. Candidates are expected to pursue a system-oriented research program linking physical and biological processes across a range of scales. A focus on forest systems and forested landscapes is particularly welcome.

The successful candidate is expected to have a strong background in soil physics, physical hydrology, geophysics, or related fields, to have an international track record in research (commensurate with the career stage), and to be a motivated and effective teacher. Teaching duties will include introductory and advanced-level courses in soil physics and environmental physics. In general, at ETH Zurich undergraduate level courses are taught in German or English and graduate level courses are taught in English.

The level of the appointment will depend on the candidate’s career track and qualifications. Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities.

Please apply online: www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, and a description of the three most important achievements. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 15 September 2019. ETH Zurich is an equal opportunity and family friendly employer and is responsive to the needs of dual career couples. We specifically encourage women to apply.
Job Opportunity
Assistant Professor of Paleontology – Colgate University

The Department of Geology at Colgate University invites applications for a tenure-stream position in the area of Paleontology at the rank of Assistant Professor, beginning fall semester 2020.

We seek an individual with a Ph.D. who is committed to excellence in teaching and research at the undergraduate level. Completion of the Ph.D. is expected prior to or shortly after the date of hire. The area of specialization is open but could include invertebrate or vertebrate paleontology, paleobotany, micropaleontology, paleoecology, or paleoclimatology. The successful applicant will teach introductory courses for non-majors, an intermediate-level Paleontology course for majors, as well as develop upper-level courses in their area of specialization. Participation in the Geology Department’s summer field courses and meaningful involvement of undergraduates in research are expected. All Colgate faculty are expected to participate in all-university programs, including the Liberal Arts Core Curriculum.

A cover letter, CV, research and teaching statements, and two reference letters must be submitted through https://academicjobsonline.org/ajo/jobs/14050. Review of applications will begin September 27th, 2019 and continue until the position is filled. Colgate strives to be a community supportive of diverse perspectives and identities. All applications should speak directly to the candidate’s ability to work effectively with students across a wide range of identities and backgrounds.

Colgate is a highly-selective liberal arts university of 2900 students situated in central New York. Colgate faculty are committed to excellence in both teaching and scholarship. The Geology Department comprises seven faculty, a senior lecturer, and a technician. Analytical facilities include SEM-EDS, XRF, XRD, ICP-MS, IC, AA, stable isotope mass spectrometer, micropaleontology lab, and geophysical equipment. Further information about the Geology department can be found at www.colgate.edu/geology.

It is the policy of Colgate University not to discriminate against any employee or applicant for employment on the basis of their race, color, creed, religion, age, sex, pregnancy, national origin, marital status, disability, protected Veterans status, sexual orientation, gender identity or expression, genetic information, status as a victim of domestic violence or stalking, familial status, or any other categories covered by law. Colgate is an Equal Opportunity/Affirmative Action employer. Candidates from historically underrepresented groups, women, persons with disabilities, and protected veterans are encouraged to apply. Applicants with dual-career considerations can find postings of other employment opportunities at Colgate and at other institutions of higher education in upstate New York at www.upstatenyherc.org.