

Dear Colleagues:

The latest Near-Surface Geophysics (NSG) section newsletter is now available. Please follow this link to see the [full version online](#).

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Recent announcements of interest to the NSG community (conferences, academic positions, graduate student opportunities, etc.) can be found on the [AGU Near-Surface Geophysics website](#).

Early-career scientists: Check out the [NSG early-career website](#).

Follow NSG on [Facebook](#) and Twitter [@NS AGU!](#)

Best regards,

Xavier Comas

President, Near-Surface Geophysics Section, AGU

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1. UPCOMING MEETINGS

Meeting	Location	Dates	Submission	Registration
<u>SAGEEP</u>	Portland, Ore.	17–21 March	Closed	Open
<u>EGU</u>	Vienna, Austria	7–12 April	Closed	Open
<u>GEM</u>	Xi'an, China	19–22 May	Closed	Open
<u>AGU–SEG</u>	Davie, Fla.	9–10 June	6 February	TBA
<u>ICEG</u>	Al Ain, United Arab Emirates	21–24 October	Open	TBA

2. AGU UPDATES

AGU Honors Program: 2019 AGU Honors Nominations Now Open

The AGU Honors Program recognizes colleagues for their outstanding contributions to the advancement of the geophysical sciences, for service to the community, and to the public's understanding. Nominations for 2019 AGU Union medals, awards, and prizes; Union Fellows; and section awards and lectures are now open. We urge you to [take this opportunity to nominate](#) a student, a colleague, a peer, or a mentor whose achievements have made a difference in the Earth and space sciences.

AGU–SEG Airborne Geophysics Workshop

The [AGU–SEG Airborne Geophysics Workshop](#) will be held in Davie, Fla., on 11–13 June. The workshop will be held to share advancements and applications of airborne geophysics for groundwater, mineral, petroleum, geotechnical, and hazards investigations. Preconference short courses are also available from 9 to 10 June. The [abstract submission](#) deadline has been extended to 6 February.

NSG Student Spotlights and Research Highlights

Interested in being highlighted or know a student who should be? Please email [Matthew Sirianni](#) for more information about the Student Spotlight. We are also seeking research highlights that showcase use of near-surface geophysics in

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other [AGU sections](#). If you are interested in writing a short, one-page highlight, please contact [Kisa Mwakanyamale](#).

3. Near-Surface Geophysics Position Announcements

2019 Ph.D./M.S./Postdoctoral Engineering/Environmental Geophysics Fellowships

Two fellowships will support geophysical research on the mechanical and hydrological properties of unconsolidated sediments. Students will conduct laboratory and field-based research to improve understanding of how physical properties controlling soil strength and compaction can be noninvasively determined from electrical geophysical measurements. The work will combine experimentation and modeling to better understand how changes in the pore geometry of porous media control the electrical properties of soils. Opportunities will exist to transfer the laboratory research to the field scale where the objective is remote assessment of soil mechanical properties from geophysical measurement systems. Recent graduates in relevant areas of Earth sciences (e.g., geophysics, geology), or a related discipline (e.g., environmental engineering), are encouraged to apply. The fellowships are supported by a grant from the U.S. Army Materiel Command aimed at increasing the number of graduates, including underrepresented minorities, in fields of science, technology, engineering, and mathematics (STEM) important to the Department of Defense mission.

The graduate student fellowships (Ph.D., M.S.) are for \$31,200/year with full tuition/benefits. A research expenses allowance is also provided to each student, along with an opportunity to perform at a summer internship at the Cold Regions Research and Engineering Laboratory (CRREL). Exceptional postdoctoral candidates may qualify for a 2-year postdoctoral fellowship supported by these funds (salary consistent with postdoctoral fellowships at Rutgers University). For more information, please contact [Lee Slater](#), Department of Earth and Environmental Sciences, Rutgers University Newark.

Illinois State Geological Survey Assistant Research Scientist

The Illinois State Geological Survey is seeking an [Assistant Research Scientist, Geophysicist](#) to develop and sustain an independent geophysical research program aimed at innovative and strategic development, and applications of shallow and environmental seismic geophysical methods to contribute to multidisciplinary research programs within the Prairie Research Institute and beyond. The position will be based in Champaign, Ill. Qualifications include a Ph.D. in geophysics, geology, engineering, or a related discipline that is

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appropriate with major duties. Preferred qualifications include expertise and knowledge of integrating various 1-D and 2-D geophysical methods and knowledge of geophysical program strategies to contribute to shallow, unconsolidated sediment and aquifer characterization. Questions can be directed to [Lori Walston-Vonderharr](#), Human Resources, Prairie Research Institute. Applications must be received by 19 February. The University of Illinois at Urbana-Champaign is an [Equal Opportunity, Affirmative Action Employer](#).

4. FYI

89TH SEG Annual Meeting

[The Society of Exploration Geophysicists \(SEG\) Annual Meeting](#) will take place in San Antonio, Texas, from 15 to 20 September. Join the SEG community as they explore a variety of hot topics, such as artificial intelligence, big data, sparse 3-D land seismic data acquisition, machine learning, joint inversion, 4-D fluid flow modeling, and more with a special emphasis on Latin America. The SEG NS is currently working on a large number of technical sessions. Abstract submission period is 1 February to 1 April.

International Workshop: GEM 2019

The [International Workshop on Gravity, Electrical & Magnetic Methods and Their Applications](#) (GEM 2019) will take place in Xi'an, China, from 19 to 22 May 2019. GEM 2019 is targeted to be an international forum for geophysicists to communicate the latest developments and exchange ideas in potential fields and electromagnetics. Specifically, the goal of GEM 2019 Xi'an is to bring together geophysics researchers and practitioners from academia, government agencies, resource companies, and contractors to share the latest technological and methodological advancements and their successful applications to practical problem solving, and to inspire discussions among the participants about the best practices of turning electromagnetic, gravity, and magnetics data into value-added information.

5TH International Conference on Engineering Geophysics

The United Arab Emirates University (UAEU) and Al Ain City Municipality (AAM), in partnership with the Society of Exploration Geophysicists (SEG), are proud to announce the fifth edition of the [International Conference on Engineering Geophysics](#) (ICEG). This edition will take place 21–24 October in the Conference Auditorium of the Crescent Building on the grounds of the UAEU.

The objectives of ICEG 2019 will concentrate on global innovation, creativity, advances, and new approaches in the field of engineering/environmental

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geophysics and related fields. In addition to the core engineering/environmental and geotechnical focuses of this coming event, special sessions in related applications of archaeology, energy, and forensic geophysics will be included. Furthermore, international experts at the very cutting edge of their disciplines will deliver keynote presentations on their latest research, experiences, future goals for engineering/environmental geophysics, and raising public awareness on the critical role of near-surface geophysics. [The submission period is now open.](#) There is a 10-MB file size limit per uploaded abstract. Abstract submission deadline is 22 April, 5:00 p.m. CDT.

SEG NSG Newsletter

The SEG NSG newsletter goes out each quarter, and due dates for any material that you would like sent are the 15th of each month prior.

- Q1 = published 1 March = material due date = 15 February
- Q2 = published 1 June = material due date = 15 May
- Q3 = published 1 September = material due date = 15 August
- Q4 = published 1 December = material due date = 15 November

Typically, we publish an AGU Fall Meeting session newsletter and other NSG related information in Q4. Please feel free to send material to us for inclusion to help promote AGU NSG activities.

To contribute to the NSG newsletter, send an email to [Kisa Mwakanyamale](#).

Deadline: Material must be received 5 full business days before the first of the month.

Guidelines for submissions

All members are welcome to submit content of interest to the near-surface community. Please keep messages brief and provide contact information and (if available) a Web address for additional information.

Get your message out to NSG members faster

You no longer need to wait until the end of the month to share an important or time-sensitive contribution via the newsletter. Appropriate contributions to the newsletter will also be shared ASAP via Twitter. Please note that only NSG members who follow [@NS AGU](#) will receive Twitter announcements, so make sure that you sign up!