Dear Colleagues:

The latest Near-Surface Geophysics Section newsletter is now available. Please follow this link to see the full version online.

In this month’s newsletter:

1. Upcoming Meetings at a Glance

2. AGU Updates
   - Section Announcements
   - Revised Ethics Policy
   - AGU Centennial Celebrations
   - AGU Headquarter Renovation
   - AGU Instagram Takeover: Share Your Section’s Science
   - Interested in Volunteering?
   - Apply to Share Your Science with K–12 Educators at Fall Meeting

4. FYIs
   - Employment Opportunities
   - 5th International Workshop on Induced Polarization
   - 2018 SEG Near-Surface Geophysics Section Technical Program

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

**Early-career scientists:** Check out the NSFG early-career website. Follow NSFG on Facebook and Twitter @NS_AGU!

Best regards,
Sarah Kruse
President, Near-Surface Geophysics Section, AG
Upcoming Meetings at a Glance

<table>
<thead>
<tr>
<th>Meeting (click to go to website)</th>
<th>Location</th>
<th>Meeting Dates</th>
<th>Submission</th>
<th>Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>80th EAGE Conference and Exhibition</td>
<td>Copenhagen, Denmark</td>
<td>11-14 June 2018</td>
<td>Closed</td>
<td>Early registration deadline: closed</td>
</tr>
<tr>
<td>7th International Workshop on Airborne Electromagnetics</td>
<td>Kolding, Denmark</td>
<td>17-20 June 2018</td>
<td>Closed</td>
<td>Registration close: 15 June</td>
</tr>
<tr>
<td>A Forum on Infrastructure</td>
<td>Stillwater, OK</td>
<td>24-26 August 2018</td>
<td>N/A</td>
<td>TBD</td>
</tr>
<tr>
<td>24th European Meeting of Environmental and Engineering Geophysics</td>
<td>Porto, Portugal</td>
<td>9-13 Sep 2018</td>
<td>Closed</td>
<td>TBD</td>
</tr>
<tr>
<td>5th International workshop on Induced Polarization</td>
<td>Newark, New Jersey</td>
<td>3-5 Oct 2018</td>
<td>July 1</td>
<td>Early registration deadline: 1 September 2018</td>
</tr>
<tr>
<td>SEG</td>
<td>Anaheim, CA</td>
<td>14-19 Oct 2018</td>
<td>Closed</td>
<td>TBD</td>
</tr>
<tr>
<td>13th SEGJ International Symposium</td>
<td>Tokyo, Japan</td>
<td>12-14 November 2018</td>
<td>Closed</td>
<td>Pre-registration Close 12 October 2018, then onsite</td>
</tr>
<tr>
<td>AGU FALL MEETING</td>
<td>Washington, D.C., USA</td>
<td>10-14 December 2018</td>
<td>Mid-June to 1 August 2018</td>
<td>TBD</td>
</tr>
</tbody>
</table>

AGU Updates

- **Section Announcements**
  Support Near-Surface Geophysics Section
  NSGS relies on our member contributions to fund actives such as student travel grants, Fall Meeting events, and other section programs. No contribution is too small; please consider donating today by visiting the AGU donations site and clicking on (section name). Individual donors (those who donate $50+) will also help (section abbreviation) take advantage of the AGU Section Incentive Program, which enhances primary member donations by giving an additional $1,000 - $5,000 to section funds, depending on participation rate!

- **Revised Ethics Policy**
  Last September AGU leadership adopted a revised ethics policy. In this From the Prow post, AGU President, President-elect and CEO give an update on the progress of our ethics work and reflect on the strides we have made since announcing the policy update.

- **AGU Centennial Celebrations**
  With AGU centennial celebrations underway, the AGU Narratives Project will help collect our shared history and build on it for years to come. Member contribution is encouraged through the three types of stories: formal oral histories collected by science historians; stories provided by you through the StoryCorps Archives app; and
interview conducted by StoryCorps at Fall Meeting. Those interested in other centennial opportunities can complete this Volunteer Form.

- AGU Headquarter Renovation
  The AGU headquarters building renovation is in its final stages and anticipating completion in December 2018, just in time for Fall Meeting! This 2-year project intends to raise visibility of AGU, our members and science by creating a modern workspace that will also serve as a state-of-the-art meeting space for members, the Earth and space science community, and the public. The new building will be the first net zero renovation of an existing building in Washington, D.C. and feature interactive public exhibits. Visit Building AGU to learn more about the renovation and current updates!

- AGU Instagram Takeover: Share Your Section’s Science
  We’re looking for scientists of all career stages and disciplines to take over AGU’s Instagram account with photos and videos of your work this summer. Email us if you are interested in taking over our Instagram account this summer during or after your field work, or for a few days while you’re working in the lab. While you’re out in the field, you can also share pictures of your work and field site with us by submitting a Postcard from the Field via our Tumblr site.

Are you presenting new research findings at the 2018 AGU Fall Meeting or chairing a session at the Fall Meeting where new research will be presented? Do you think the research might be newsworthy? If so, please fill out this publicity form to tell AGU’s press office why your research or research in your session might be of interest to the press and public. Press office staff will contact you if they are interested in publicizing the work at the meeting. If you’re unsure about what makes scientific results newsworthy, check out our handy newsworthiness criteria guide. For any questions, email news@agu.org.

- Interested in Volunteering?
  AGU is interested in knowing more about you and your interests. With a variety of volunteer opportunities, varying in commitment, and many committees and task forces meeting virtually, there is sure to be opportunities for all members! If you or someone you know are interested, please complete a brief profile with your interests to be matched with the perfect opportunity!

- Apply to Share Your Science with K–12 Educators at Fall Meeting
  AGU and the National Earth Science Teachers Association (NESTA) are now soliciting proposals from scientist/educator presenter teams at the Geophysical Information for Teachers (GIFT) workshop at AGU Fall Meeting. Each selected team of presenters will have approximately 1.5 hours during one of the two workshop days to present their work, accompanied by a closely related hands-on activity or set of activities, to the educators. This collaborative workshop enables scientists to work closely with an education specialist to develop and share material with K–12 and informal educators. Each team of presenters will receive one free full-week registration to AGU Fall Meeting. Note that this is in addition to the free registration to the AGU Fall Meeting for all K–12 educators with valid credentials. Applications are now open through 31 August. Please contact us with any questions.

NSFG 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 other AGU sections and focus groups. If you are interested in writing a short, one-page highlight, please contact Chi Zhang.*

FYIs
Employment Opportunities
- Two Positions at Energy & Environmental Research Center (EERC)
There are two positions – Principal Geophysicist and Research Scientist Geophysics offered at the Energy & Environmental Research Center (EERC), an International leader in energy and environmental research, conducting projects for clients throughout the United States and the world. The EERC offers opportunities to people with an exceptional work attitude, dedication to high professional standards, and commitment to personal development. For more information regarding the EERC, visit www.undeerc.org.

**Principal Geophysicist (JobID: 4470)**

**Position Type:**
0000|1000-Executive Administration|Directors/1105 Director/Associate Director/Manager

**Date Posted:**
5/30/2018

**Location:**
Grand Forks, North Dakota

**Closing Date:**
Open Until Filled

**Minimum Hiring Salary/Position Classifications:** $120,000+/Annual, Full-Time, Benefited, Exempt

**Benefits:** Includes single or family health care coverage (premiums paid for by the university), basic life insurance, EAP, retirement plan, tuition waiver, annual and sick leave. Optional benefits available: supplemental life, dental, vision, long term care insurance, flexible spending account, supplemental retirement plans.

**Work Schedule:** Monday-Friday, 8:00 a.m. - 5:00 p.m. Some travel required.

This position is located at the Energy & Environmental Research Center (EERC), an International leader in energy and environmental research, conducting projects for clients throughout the United States and the world. The EERC offers opportunities to people with an exceptional work attitude, dedication to high professional standards, and commitment to personal development. We are looking for experienced, aggressive, scientifically trained, and market-oriented individuals to contribute to the success of the organization by performing one or more of the following functions:

1. Lead groups of researchers to complete multidisciplinary research tasks; propose research projects and write proposals to obtain funding for the projects; manage teams to complete funded projects within budget and schedule
2. Perform technical work integrating multiple data sets such as well log data, 3-D seismic data, geological interpretations, production data, and reservoir simulations to create comprehensive interpretations of the subsurface
3. Acquire and interpret a variety of geophysical data; lead the preparation of technical reports
4. Interact and coordinate with a diverse team of scientists and engineers to add value to a variety of projects focused on enhanced oil and gas development and geologic CO₂ storage using cutting-edge technologies.
5. Some travel is required.

**Research Scientist Geophysics (JobID: 4473)**

**Position Type:**
3000 Professional/3325 General Science Professional

**Date Posted:**
6/1/2018

**Location:**
Grand Forks, North Dakota

**Closing Date:**
Open Until Filled
**Minimum Hiring Salary/Position Classification:** $65,000/yr plus DOE, Full-Time, Benefited, Exempt

**Benefits:** Includes single or family health care coverage (premiums paid for by the university), basic life insurance, EAP, retirement plan, tuition waiver, annual and sick leave. Optional benefits available: supplemental life, dental, vision, long term care insurance, flexible spending account, supplemental retirement plans.

**Work Schedule:** Monday-Friday, 8:00 a.m. - 5:00 p.m. Some travel required.

This position is located at the Energy & Environmental Research Center (EERC), an International leader in energy and environmental research, conducting projects for clients throughout the United States and the world. The EERC offers opportunities to people with an exceptional work attitude, dedication to high professional standards, and commitment to personal development. We are looking for experienced, aggressive, scientifically trained, and market-oriented individuals to contribute to the success of the organization by performing one or more of the following functions:

1. Integrating multiple datasets including well log data, geological interpretations, production data and reservoir simulations to perform advanced interpretation of a variety of geophysical datasets
2. Performing petrophysical analyses of geophysical data
3. Assisting in the preparation of technical reports
4. Interfacing with a diverse team of scientists and engineers to assess project uncertainties in oil and gas development and geologic CO₂ storage.
5. Some travel is required.

For full consideration, all application materials must be fully submitted by 5PM on the closing date. Review of applications will begin on June 29, 2018. Position is open until filled.

- **ʻIke Wai Postdoctoral Researcher (Geophysics/Hydrogeophysics) at University of Hawaii**
  School of Ocean and Earth Science and Technology. Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST), Hawai‘i Institute of Geophysics and Planetology (HIGP), located in Honolulu, Hawai‘i. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws.

**Monthly Salary Range:** $3,455-$5,083/Mon.

**Duties:** The ʻIke Wai project applies novel geophysical and other field assessment methods in a multi-disciplinary framework to generate data and new conceptual and refined numerical models that address the grand challenge of water sustainability. The project includes faculty from the University of Hawai‘i (UH) Manoa School of Ocean and Earth Science and Technology, the College of Engineering, The College of Natural Sciences, the Social Science Research Institute, the Water Resources Research Center, UH Hilo and Chaminade University. For additional project information, please visit www.hawaii.edu/epscor. Works as part of the geophysics team to help address the goals of the multi-disciplinary ʻIke Wai project on understanding the complex hydrogeology and groundwater resources of Hawai‘i. Assists in designing and conducting land-based geophysical field data acquisition, using a variety of cutting-edge geophysical equipment and methods. Processes acquired geophysical land data, carries out imaging and inversion of different land data sets, possibly in a joint-inversion framework, and conducts data verification, data analysis/modelling and data interpretation. Conducts forward modeling studies using various methods, and inversion of synthetic and field land data, and provides geological interpretations. Develops and programs relevant modeling, imaging, and inversion algorithms, as needed. Delivers scientific peer-reviewed journal publications, submits conference abstracts to scientific conferences, and assists in preparing reports. ʻIke Wai Postdoctoral Researchers will interact with scientists and students across disciplines and actively engage in professional development training in areas such as leadership, diversity,
pedagogy and mentoring. ‘Ike Wai Postdoctoral Researchers will participate in a work environment that encourages knowledge of, respect for, and development of skills to engage with diverse communities in Hawai‘i and the Pacific on issues surrounding water sustainability. Successful candidates must be committed to working with diverse student and community populations that reflect the University’s Native Hawaiian Pacific Island-serving context.

Job Requirements:

PRIMARY QUALIFICATIONS: EDUCATION/TRAINING: PhD from an accredited college or university in Applied Geophysics, Hydrogeophysics, or Geophysics (preferably obtained within the last four (4) years). (Master’s Degree from an accredited college or university and an additional two (2) years of experience in the industry may substitute for a PhD). Track record of publication in peer-reviewed journals. EXPERIENCE: At least three (3) years of experience in geophysical research utilizing geophysical methods. Proven expertise in land-based geophysical field data acquisition, processing, imaging, inversion, and characterization, using seismic methods (active or passive) and/or electromagnetic methods (electrical resistivity, induced polarization, magnetotellurics, self-potential). Strong, proven experience in imaging and inversion of synthetic and field data, as well as forward modeling studies. Experience in algorithm development for imaging and inversion. ABIL/KNOW/SKILLS: State of the art knowledge of land-based geophysical field methods and field data processing, imaging, and inversion, as well as geophysical-mathematical modeling. Knowledge of geophysical land equipment and field deployment/operations on land. Excellent oral and written communication skills. Able to test and deploy geophysical field equipment and verify data collection. Must be a great team player. PHYSICAL/MEDICAL REQUIREMENTS: Able to lift and carry up to twenty (20) pounds, under Hawaiian field conditions. POLICY AND/OR REGULATORY REQUIREMENTS: As a condition of employment, employee will be subject to all applicable RCUH policies and procedures and, as applicable, subject to University of Hawai‘i’s and/or business entity’s policies and procedures. Violation of RCUH’s, UH’s, or business entity’s policies and/or procedures or applicable State or Federal laws and/or regulations may lead to disciplinary action (including, but not limited to possible termination of employment, personal fines, civil and/or criminal penalties, etc.).

SECONDARY QUALIFICATIONS: Experience working in a collaborative environment in an institution of higher education or similar organization. Experience in hydrogeophysical water resource research, exploration and/or assessment. Knowledge of associated fieldwork safety and environmental standards.

INQUIRIES: Daily Supervisor, Dr. Niels Grobbe 956-5857 (Oahu).

APPLICATION REQUIREMENTS: Please go to www.rcuh.com and click on “Job Postings.” You must submit the following documents online to be considered for the position: 1) Cover Letter, 2) Resume, 3) Salary History, 4) Supervisory References, 5) Copy of Degree(s)/Transcript(s)/Certificate(s). Please also arrange for three (3) letters of recommendation to be sent to RCUH by the application deadline, either by regular mail to the above address or via email to rchu_employment@rcuh.com. Include the Job Title and ID# in the email and letters of recommendation. All online applications must be submitted/received by the closing date (11:59 P.M. Hawai‘i Standard Time/RCUH receipt time) as stated on the job posting. If you do not have access to our system and the closing date is imminent, you may send additional documents to rchu_employment@rcuh.com. If you have questions on the application process and/or need assistance, please call (808)956-8344 or (808)956-0872.

CLOSING DATE: May 31, 2018 or until filled. Applications received after this deadline may be considered only if the position is not filled or up to the date a selection has been approved by the RCUH (whichever comes first).

5th International Workshop on Induced Polarization

The call for abstracts is open and closes July 1. Registration will open no later than July 15 with an early-bird deadline of September 1. See the website for further details.

### 2018 SEG Annual Meeting Technical Program Near-Surface Geophysics Technical Section

<table>
<thead>
<tr>
<th>ORAL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOM #</td>
</tr>
<tr>
<td>204A</td>
</tr>
<tr>
<td>207A</td>
</tr>
<tr>
<td>213B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POSTER SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOM #</td>
</tr>
<tr>
<td>EXHIBITION HALL</td>
</tr>
<tr>
<td>EXHIBITION HALL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POST CONVENTION WORKSHOPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
</tr>
<tr>
<td>Thursday PM</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>Friday 22</td>
</tr>
</tbody>
</table>

*Evening Reception: Tuesday 16 October 2018 from 7:00 PM – 10:00 PM
*Registration is Required
To contribute material to the NSGS newsletter, send an email to Chi Zhang.

**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 NSFG 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 NSFG members who follow @NS_AGU will receive Twitter announcements, so make sure that you sign up!