Dear Colleagues:

The latest Near-Surface Geophysics focus group (NSFG) newsletter is now available. Please follow this link to see the full version online.

**In this month’s newsletter:**

1. **NSFG Events at the Fall Meeting in New Orleans**
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   - NSG-Hydrogeophysics Social Gathering Wednesday Dec 13 6:00

2. **Upcoming Meetings at a Glance**

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   - Message from Sarah Kruse – considering donating to the NSFG

4. **FYIs**
   - ICEEG2018
   - Employment Opportunities

Recent announcements of interest to the NSFG community (conferences, academic positions, graduate student opportunities, etc.) can be found on the AGU Near-Surface Geophysics focus group 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 Focus Group, AG
# Near-Surface Geophysics Focus Group (NSFG) November 2017 Newsletter

## NSFG Events at the Fall Meeting in New Orleans

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<th>Session ID/Room#</th>
<th>Date</th>
<th>Session Title</th>
<th>Conveners</th>
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<tr>
<td>NS11A / 238-239</td>
<td>Monday 08:00 – 10:00</td>
<td>Hydrogeophysical Methods for Groundwater Evaluation, Management, and Modeling</td>
<td>John Lane and Esben Auken</td>
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<td>NS12A / 242</td>
<td>Monday 10:20 – 12:20</td>
<td>Earth Imaging from the Surface to the Upper Mantle</td>
<td>Richard Chopping, Juerg Hauser, Luk Peeters, and Erdinc Saygin</td>
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<td>NS13A / Poster Hall D-F</td>
<td>Monday 13:40 – 18:00</td>
<td>Earth Imaging from the Surface to the Upper Mantle Posters</td>
<td>Richard Giles Chopping, Juerg Hauser, Luk Peeters, and Erdinc Saygin</td>
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<td>NS13B / Poster Hall D-F</td>
<td>Monday 13:40 – 18:00</td>
<td>Hydrogeophysical Methods for Groundwater Evaluation, Management, and Modeling Posters</td>
<td>John W Lane and Esben Auken</td>
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<tr>
<td>NS21A / 238-239</td>
<td>Tuesday 08:00 – 10:00</td>
<td>Induced Seismicity in the USA and Canada: Novel Geophysical Methods and Mitigation</td>
<td>Georgios Tsoflias and Tandis Bidgoli</td>
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<td>NS23A / Poster Hall D-F</td>
<td>Tuesday 13:40 – 18:00</td>
<td>Near-Surface Geophysics General Contributions Posters</td>
<td>Matthew Sirianni, Xavier Comas, Bruce Smith, and Andy Parsekian</td>
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<tr>
<td>NS31C / 238-239</td>
<td>Wednesday 08:00 – 10:00</td>
<td>Advances in Exploration Geophysics I</td>
<td>Kennedy Doro, Anandaroop Ray, Georgios Tsoflias, and Louise Pellerin</td>
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<td>NS31A / Poster Hall D-F</td>
<td>Wednesday 08:00 – 12:20</td>
<td>Application of Airborne Geophysical Methods to the Near-Surface Environment Posters</td>
<td>Paul Bedrosian and Lyndsay Ball</td>
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<td>NS31B / Poster Hall D-F</td>
<td>Wednesday 08:00 – 12:20</td>
<td>Time-Lapse Monitoring of Earths Interior Posters</td>
<td>Vladimir Kazei and Dmitry Borisov</td>
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<tr>
<td>NS32A / 238-239</td>
<td>Wednesday 10:00 – 12:20</td>
<td>Advances in Exploration Geophysics II</td>
<td>Kennedy Doro, Anandaroop Ray, Georgios Tsoflias, and Louise Pellerin</td>
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<td>NS33A / Poster Hall D-F</td>
<td>Wednesday 13:40 – 18:00</td>
<td>Advances in Exploration Geophysics Posters</td>
<td>Kennedy Doro, Anandaroop Ray, Georgios Tsoflias, and Louise Pellerin</td>
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<tr>
<td>NS33B / Poster Hall D-F</td>
<td>Wednesday 13:40 – 18:00</td>
<td>Geophysics for Anthropogenic Targets: Archeological, Forensic, Engineering, and UXO Applications II Posters</td>
<td>Sajad Jazayeri, Carl-Georg Bank, and Sarah Kruse</td>
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### Upcoming Meetings at a Glance

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<th>Meeting (click to go to website)</th>
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<th>Meeting Dates</th>
<th>Submission</th>
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<tr>
<td><strong>GELMON 2017</strong></td>
<td>Vienna, Austria</td>
<td>22-24 November 2017</td>
<td>Closed</td>
<td>Early registration ends: closed</td>
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<tr>
<td><strong>AGU 2017</strong></td>
<td>New Orleans, Louisiana</td>
<td>11-15 December 2017</td>
<td>Closed</td>
<td>Early registration ends: closed</td>
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<tr>
<td><strong>SAGEEP</strong></td>
<td>Nashville, Tennessee</td>
<td>25-29 March 2018</td>
<td>20 October 2017</td>
<td>TBA</td>
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<tr>
<td><strong>EGU</strong></td>
<td>Vienna, Austria</td>
<td>8-13 April 2018</td>
<td>10 January 2017</td>
<td>TBA</td>
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### AGU Updates

**Deadline**

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**Near Surface Geophysics Section Reception, followed by Mardi Gras World**

On Tuesday night at 6:15-6:45 join us for hors d’oeuvres at the [Earnest N. Morial Convention Center](https://www.choisissez-mccno.com) (MCCNO), Second Floor, Room 298-299. We will celebrate NSG awards, and the state of the focus group. At 7:00 we join other focus groups at Mardi Gras World, #4 Science Nexus Neighborhood.

Your $15 Mardi Gras registration is good for both events. For questions, please contact Sarah Kruse skruse@usf.edu.

**AGU Near Surface Geophysics and Hydrogeophysics Social Event**

Please Join The Near Surface Geophysics Focus Group and The Hydrogeophysics Technical Committee for this year’s Fall Meeting social!

**Location:** The Avenue Pub. 1732 St Charles Ave, New Orleans, LA 70130 (1 mile from the Convention Center)

**When:** December 13th @ 6pm

After a day filled with meetings and talks, come relax and join us for a night of good friends, good food, and good beer in the Big Easy. Laissez Les Bon Temps Rouler! Located in the historic Lower Garden District of New Orleans, The Avenue Pub offers over 40 craft brew taps, an extensive whiskey list, and tantalizing pub fare. to ensure enough space, our group has reserved the outside back patio area, and in case of rain we will be moved inside to the upstairs bar. We hope to see you there!

For any additional information or for questions, please contact Matthew Sirianni.
• 15 November: AGU Fall Meeting Housing Deadline

Events
• 17 November: Open API Challenge Winners Announced

• Community Science at Fall Meeting
Interested in community science applications? Mark your calendars for the annual Thriving Earth Exchange (TEX) Project Launch Workshop – work with indigenous and local New Orleans community leaders to develop innovative projects that leverage science to address community challenges. Themes will include climate resilience, water quality, sea level rise, coastal restoration, sustainability and more! Wednesday, December 13, 10-3pm. Visit the TEX website for info on other events, including a training workshop and reception.

• Fall Meeting Housing and Registration are Now Open

• ESSOAr – A New Earth and Space Science Server for preprints and conference presentations
AGU is developing a server for the international Earth and space science community to accelerate the open dissemination of Earth and space science preprints and rich conference presentations with an advisory board of other international Earth and space sciences societies. Sign up for updates at www.essoar.org

• AGU approaches its Centennial
In 2019 AGU will celebrate its Centennial and will focus on worldwide events and programming that recognizes the value and contributions of Earth and space science over the last century and how the science will continue to add value in everyday life in the future. As we approach this milestone, AGU wants to reflect on the past 100 years of achievement and discovery and look forward to the impacts to come. We’re excited to announce that the oral history group Story Corps will be at the Fall Meeting to help us record and capture the scientific and personal stories of our sciences. The nonprofit podcast focuses on stories about humanity, and they are coming to the meeting to help tell your stories! If you know of a personal story that should be shared, we want to hear about it. Nominate someone today by visiting centennial.agu.org/.

• Consider Volunteering for AGU – Tell Us About Your Interests Now
AGU relies on volunteers to achieve its mission. A variety of opportunities are available over the next few years with a range of time commitments. Diverse perspectives are needed. To help AGU identify opportunities that match your skills and interests, fill out an online profile. Not everyone will be matched, and there’s no obligation to accept opportunities offered to you. Sign up now!

• AGU Webinars Launch
The newly launched AGU Webinars channel is a great informational source for the Earth and space sciences. Each week will feature guest speakers from the Earth and space science community presenting topics important to you! Tune in Thursdays at 2 p.m. ET. and visit webinars.agu.org for the schedule of upcoming webinars and to watch past webinars. The AGU Webinars team is always on the lookout for great topics and speakers. Feel free to send your ideas and feedback to webinars@agu.org.

• Suggestions for a joint AGU-SEG technical session or workshop at the 2018 SEG meeting in Anaheim, CA
Will you be attending the SEG meeting in Anaheim in 2018? Please consider co-sponsoring an AGU-SEG technical session or workshop on a topic of interest. SEG is expecting strong interest in Hydrogeophysics at this meeting. Contact Laurie Whitesell for more information.

- Near Surface at the Fall Meeting is going to be different this year! Instead of the luncheon, we are having a Near Surface Reception on Tuesday night. This will involve a short gathering to announce awards and new activities, followed by joining other Focus Groups at Mardi Gras World. Cost is only $5.00 for students and $15.00 for faculty. Join us! Please register for this when you register for the meeting.

- **Message from Sarah Kruse**

  *Hi NSGers!*

  *I'm assuming you got an email from AGU development on October 30.*

  *I wanted to remind you that if you donate $50 to AGU, it will likely put us over the limit for AGU to contribute extra funds to our focus group.*

  *We could spend it on student travel, travel for invited speakers, an Early Career Award financial award, or other activities to sustain and promote our community.*

  *Please consider donating at this level! (Also make sure you have Near-Surface Geophysics as your primary affiliation, so it counts.)*

  *Thanks, and see you in New Orleans-*

  *Sarah*

**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**

**8th International Conference on Environmental and Engineering Geophysics**

- The Chinese Central Government put forward the goal of the construction of urbanization in China—“Three 100 Million People”. In the next 10 years, China's urbanization process will run at the highest speed in its history of China. Near surface is the most complex, sensitive, and fragile part of the Earth. The near surface furnishes the vast majority of necessary materials for human living. As a result, China's urbanization relies on a “healthy” and sustainable near surface. Due to broad applications of geophysical techniques in the environmental and engineering fields, they are of great significance for the sustainable development of the human society. To promote the communication of environmental and engineering geophysical problems, and provide a world-class forum for new technical advances, developments, and applications in environmental and engineering geophysics, the 8th International Conference on Environmental and Engineering Geophysics (ICEEG2018) will be held at the campus of Zhejiang University in Hangzhou, the most beautiful city in China, from June 10 to 13, 2018. We sincerely welcome the leading experts, international media, young professionals, and students to contribute and attend the meeting. This conference will offer an opportunity to all geophysicists and engineers
to present recent achievements including case studies and theoretical studies in related techniques, software, and instruments. Expanded abstracts should not exceed 6 pages (including figures), and in the abstract format of the SEG annual meeting. The deadline for submission of abstracts is December 31, 2017. Please send abstracts and papers to Email box.

**Employment Opportunities**

- **PhD Studentship in 3D CSEM inversion algorithm**
  We have an open PhD student position at Uppsala University on development of a 3D CSEM inversion algorithm in cooperation with Aarhus University. The deadline for application is October 30, though it seems likely that this will have to be extended. I would hope to have the successful candidate in place in December 2017 or January 2018. The job advertisement can be found here. Candidates do not have to have their MSc degrees at the time of application, but in time for admission.

- **Faculty Position in Geophysics at Stanford University**
  We invite applications for a tenure-track faculty position at the Assistant Professor level in the Department of Geophysics at Stanford in any field of observational, experimental, computational or theoretical geophysics. Priority will be given to the overall originality and promise of the candidate’s work over any specific area of specialization. We are particularly interested in candidates who can contribute to the inclusive excellence of our academic community.

We seek exceptional individuals who can develop a world-class program of research, and have a strong commitment to teaching at both the graduate and undergraduate levels. A doctorate is required at the time of appointment.

**How to Apply**

Applications should include a cover letter, curriculum vitae, a statement of research and teaching interests, three recent publications, and the names and email addresses of three individuals from whom the search committee can request letters of reference. Please apply online at: https://academicjobsonline.org/ajo/jobs/10188. Review of applications will begin on December 10, 2017, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, the position will remain open until filled. Questions related to your submission may be directed to GeophysicsFacultySearch@se3mail.stanford.edu.

**Contact**

Ms. Jennifer Kidwell  
(650) 723-0891  
jparis@stanford.edu

*Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University’s research, teaching and clinical missions.*
To contribute material to the NSFG 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!