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 section website](https://www.agu.org/sections/nsg/).

**Early-career scientists:** Check out the [NSG early-career website](https://www.agu.org/sections/nsg/early-career/).
1. UPCOMING MEETINGS

<table>
<thead>
<tr>
<th>MEETING</th>
<th>LOCATION</th>
<th>DATES</th>
<th>SUBMISSION</th>
<th>REGISTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEG</td>
<td>San Antonio, Texas</td>
<td>15–20 September 2019</td>
<td>Closed</td>
<td>Standard registration deadline: 12 September 2019</td>
</tr>
<tr>
<td>ICEG</td>
<td>Al Ain, United Arab Emirates</td>
<td>21–24 October 2019</td>
<td>Closed</td>
<td>Standard registration available</td>
</tr>
<tr>
<td>AGU Chapman Conference</td>
<td>Valencia, Spain</td>
<td>21–24 October 2019</td>
<td>Closed</td>
<td>Deadline: 24 September 2019</td>
</tr>
<tr>
<td>AGU Fall Meeting</td>
<td>San Francisco, Calif.</td>
<td>9–13 December 2019</td>
<td>Closed</td>
<td>Early registration deadline: 7 November 2019</td>
</tr>
<tr>
<td>SAGEEP</td>
<td>Denver, Colo.</td>
<td>29 March to 2 April 2020</td>
<td>Open</td>
<td>December 2019</td>
</tr>
</tbody>
</table>

2. AGU UPDATES

- Austin Endowment for Student Travel Challenge

Join the challenge to raise funds to support students’ attendance at AGU meetings. Scientist and AGU Development Board member Jamie Austin has issued a challenge to the AGU membership and the Earth and space science community. Austin will generously match all donations to the Austin Endowment for Student Travel up to the amount of $1 million. With your support, we have the opportunity to create a fund of $2 million to support students attending AGU Fall Meetings.

Support the Austin Endowment for Student Travel Challenge and make a donation in any amount. Your gift will be matched by Jamie Austin and will have double the impact, going even further in supporting student experiences at Fall Meeting.

Read more about the challenge or make your donation [here](#).
• AGU Awards, Medals, and Honors
Please consider nominating your colleagues for AGU awards, medals, and honors. Below is a table of all awards and medals that individuals can be nominated for. Please scan the table and send any suggestions for nominees to Adam Mangel (amangel@mines.edu) and Lee Slater (lslater@newark.rutgers.edu). **Nominations are due in April 2020! We can help!**

<table>
<thead>
<tr>
<th>HONOR NAME</th>
<th>SCOPE STATEMENT</th>
<th>CAREER STAGE</th>
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</thead>
<tbody>
<tr>
<td>Bowie Medal</td>
<td>For outstanding contributions for fundamental geophysics and for unselfish cooperation in research</td>
<td>Senior scientist</td>
</tr>
<tr>
<td>Devendra Lal Medal</td>
<td>For outstanding Earth and/or space sciences research by a scientist belonging to and working in a developing country</td>
<td>Early career; middle career</td>
</tr>
<tr>
<td>Horton Medal</td>
<td>For outstanding contributions to hydrology</td>
<td>Senior scientist</td>
</tr>
<tr>
<td>Joanne Simpson Medal</td>
<td>For significant contributions to the Earth and space sciences by an outstanding midcareer scientist</td>
<td>Middle career</td>
</tr>
<tr>
<td>Macelwane Medal</td>
<td>For significant contributions to the geophysical sciences by an outstanding early-career scientist</td>
<td>Early career; middle career</td>
</tr>
<tr>
<td>Africa Award for Earth/Ocean Sciences</td>
<td>For completing significant work that shows the focus and promise of making outstanding contributions to research in Earth or ocean sciences by an early-career scientist from the African continent</td>
<td>Early career</td>
</tr>
<tr>
<td>Ambassador Award</td>
<td>For outstanding contributions to one or more of the following areas: societal impact, service to the Earth and space community, scientific leadership, and promotion of talent/career pool</td>
<td>Early career; middle career; senior scientist</td>
</tr>
<tr>
<td>Education Award</td>
<td>To acknowledge a sustained commitment to excellence in geophysical education by a team, individual, or group</td>
<td>Middle career; senior scientist</td>
</tr>
<tr>
<td>Falkenberg Award</td>
<td>For recognition of an early- to middle-career scientist who has contributed to the quality of life, economic opportunities, and stewardship of the planet through the use of Earth science information and to the public awareness of the importance of understanding our planet</td>
<td>Early to middle career</td>
</tr>
<tr>
<td>Flinn Award</td>
<td>For recognition to an individual or small group who personifies the Union’s motto “unselfish cooperation in research” through their facilitating, coordinating, and implementing activities</td>
<td>Middle career; senior scientist</td>
</tr>
<tr>
<td>International Award</td>
<td>In recognition for making an outstanding contribution to furthering the Earth and space sciences and using science for the benefit of society in developing nations</td>
<td>Middle career; senior scientist</td>
</tr>
</tbody>
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3. NEAR-SURFACE GEOPHYSICS UPDATES

- **AGU Fall Meeting 2019: Outstanding Student Presentation Award Coordinators Needed**

Volunteers are needed to coordinate Fall Meeting Outstanding Student Presentation Awards (OSPA) and review Student Travel Grants for 2019! OSPA coordinators will manage securing judges for student presentations at Fall Meeting and select winners. Please email Kisa Mwakanyamale or Xavier Comas if you would like to volunteer.

- **AGU Fall Meeting 2019: Near-Surface Geophysics Sessions**

We invite you to participate in the Near-Surface Geophysics sessions at Fall Meeting 2019 in San Francisco, Calif. Join the Centennial celebrations and participate in Centennial presentations that will bring to life the past 100 years of near-surface geophysics, the current state of the science, and the exciting discoveries expected in the next 100 years. The full listing of NSG sessions with descriptions and abstracts can be found here: [https://agu.confex.com/agu/fm19/prelim.cgi/Program/2358](https://agu.confex.com/agu/fm19/prelim.cgi/Program/2358).

<table>
<thead>
<tr>
<th>Kaula Award</th>
<th>For unselfish service to the scientific community through extraordinary dedication to, and exceptional efforts on behalf of, the Union’s publications program</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science for Solutions Award</td>
<td>For significant contributions in the application and use of the Earth and space sciences to solve societal problems</td>
<td>Current student; postdoctoral scientist</td>
</tr>
<tr>
<td>Smith Award</td>
<td>For extraordinary service to geophysics</td>
<td>Senior scientist</td>
</tr>
<tr>
<td>Spilhaus Award</td>
<td>For enhancement of the public engagement with Earth and space sciences</td>
<td>Early career; middle career; senior scientist</td>
</tr>
<tr>
<td>Climate Communication Prize</td>
<td>For the communication of climate science</td>
<td>Early career; middle career; senior scientist</td>
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</tbody>
</table>

Register Now!

<table>
<thead>
<tr>
<th>Session Titles</th>
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<tbody>
<tr>
<td>NS001 Advances in Exploration Geophysics</td>
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<tr>
<td>NS002 Agricultural Geophysics</td>
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<tr>
<td>NS003 A Tour of Open-Source Software Packages for the Geosciences</td>
</tr>
<tr>
<td>NS004 Bridging Environmental Magnetism with Biogeophysics to Study Biogeochemical Processes of Today</td>
</tr>
<tr>
<td>NS005 Cosmic Ray Muon Imaging: Methodological Advances and Applications</td>
</tr>
<tr>
<td>NS006 Geophysical Advances in Cryospheric Processes, Structure, and Environmental Change</td>
</tr>
</tbody>
</table>
**New NSG Website**

The new website for the Near-Surface Geophysics section is up and running! Visit our new website at [https://connect.agu.org/nsg/home](https://connect.agu.org/nsg/home), learn about our community, share and connect with your colleagues. For questions, material to share, or if you are interested in becoming an administrator, contact [Trevor Irons](mailto:trevor.iron@agu.org) or [Matt Sirianni](mailto:matt.sirianni@agu.org).

**NSG Student Spotlight**

[Alejandro Garcia](mailto:alejandro.garcia@rutgers.edu) is a first-year Ph.D. student in the Department of Earth and Environmental Science at Rutgers University–Newark. His research broadly focuses on the electrical signature of carbonate precipitation in sands and soils. In particular, he studies calcite, which can be used in soil stabilization and can be precipitated both abiotically and biotically. He is also interested in studying carbonate precipitation as it relates to carbon capture in geologic reservoirs and of the potential for spectral induced polarization (SIP) and time domain induced polarization (TDIP) to study these processes at the field scale.

Before attending Rutgers, Alejandro attended Florida International University (FIU), where he received a B.S. and M.S. in geosciences (2015 and 2018, respectively). Alejandro always knew he wanted to pursue a scientific career and found geoscience while he was an undergraduate. While in the geoscience program, he was introduced to geophysics and was particularly drawn to its quantitative approach and combination of field and laboratory work. From there he discovered his interest in studying the electrical properties of materials and dealing with the ambiguity present when trying to relate electrical
signals to the physical and chemical properties that produce them. During his M.S., he began doing research focused on SIP and presented a poster at Fall Meeting 2017 in New Orleans about the electrical signature of biofilms and microbial growth. Alejandro has demonstrated his aptitude for research and academics by being accepted to the FIU Honor’s College (undergraduate) and receiving a Department of Energy Fellowship (master’s). After graduation, Alejandro plans to pursue postdoc opportunities.

For more information about his research, please contact Alejandro Garcia.

*Interested in being highlighted, or know a student who should be? Please email Matthew Sirianni for more information about the Student Spotlight.*

- **Research Highlight**
  
  **ResIPy: An intuitive open-source software for complex geoelectrical inversion/modeling**

  ResIPy is an open-source graphical user interface built around Andrew Binley’s R2/cR2/R3t/cR3t programs. It was designed from the start to be as intuitive as possible. It provides advanced filtering and error modeling of both DC resistivity and IP. It also handles mesh generation and allows the user to tweak different inversion options available in a user-friendly interface. ResIPy also offers tools for survey design such as sequence generation and forward modeling. Help is provided throughout the software using tool tips and help sections. Its ease of use makes it a great teaching tool for newcomers to geophysics. ResIPy also has a full Python API that allows further automation in existing script. Check out the code on GitLab ([https://gitlab.com/hkex/pyr2](https://gitlab.com/hkex/pyr2)) or the Research Gate page of the project ([https://www.researchgate.net/project/ResIPy-GUI-for-R2-family-codes](https://www.researchgate.net/project/ResIPy-GUI-for-R2-family-codes)). Online documentation and examples are also available at [https://hkex.gitlab.io/pyr2](https://hkex.gitlab.io/pyr2).

<table>
<thead>
<tr>
<th>Importation of IP data</th>
<th>Error modeling with reciprocals</th>
<th>Inverted section</th>
</tr>
</thead>
</table>

We are also seeking research highlights that showcase the 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 Kisa Mwakanyamale.

- **Workshop Opportunity: Near-Surface Geophysics for Archaeological and Forensic Applications**
Are you interested in the application of geophysical methods for archaeological and/or forensic research? Then consider attending this special workshop offered at the Society of Exploration Geophysicists 2019 Annual Meeting in San Antonio, Texas!

This full-day workshop will introduce participants to
1. The different geophysical methods that are commonly used for these investigations
2. The types of targets that are commonly identified at these sites
3. Strategies for survey design when collecting data at these sites
4. Strategies for interpreting and/or ground-truthing the data collected
5. Best practices for working with the broader community at these sites
6. Possible funding mechanisms for national and international studies

This workshop will teach participants how geophysicists can be valuable collaborators for these investigations and aid in the planning for identifying unknown sites and future excavation or preservation plans. We invite participants with backgrounds in geophysics or archaeology to participate. Workshop participants can also receive a 0.75 continuing education unit (CEU) for attending!

Date of workshop: Thursday, 19 September, 8:30 a.m. to 5:00 p.m.

Workshop leaders: Dr. Blair Schneider, University of Kansas, and Dr. Recep (“Ray”) Cakir, Geophysicist at Washington Geological Survey

Workshop cost: $225/nonmember, $125/member, $55/nonmember student, and $35/member student

Questions? Contact Blair Schneider at blair.schneider@ku.edu.

4. NEAR-SURFACE GEOPHYSICS POSITION ANNOUNCEMENT
   • Scientist/Researcher III–191775

Organization: School of Geosciences
Job location: University of Oklahoma Norman Campus
Schedule: Full-time
Work schedule: Monday–Friday, 8:00 a.m. to 5:00 p.m.; some duties outside regular hours
Salary range: $55,000–$60,000 based on experience
Benefits provided: Yes
**Required attachments:** Resume, cover letter, academic transcripts, other documents (see job requirements for details)

**Job Description**
The School of Geology and Geophysics at the University of Oklahoma Norman Campus is recruiting a full-time geoscience staff scientist (Scientist/Researcher III). This position is supporting faculty and students in (1) research and education and (2) maintaining and using existing software related to seismic processing/interpretation and other geoscientific applications. The candidate must be familiar with professional software packages used in seismic processing and interpretation. A background in Linux system administration is of advantage. This position will also be a liaison to the university’s IT department and will maintain software licenses including renewal requests. Please submit resume, cover letter, academic transcripts, and two reference letters.

**Job Requirements**
**Education:** Master’s degree, or a B.S. degree and 5 years of relevant professional experience

**Skills:** Ability to communicate well and build rapport quickly with students, faculty, and staff; ability to work well with interdepartmental teams and initiatives; must be able to perform basic data analysis

**Certifications:** None required

**Advertised physical requirements:** Must be able to engage in repetitive motions and communicate; to remain for extended periods in front of a computer monitor using a keyboard; to lift up to 40 pounds

**Departmental preferences:** Excellent Linux system administration skills and experience. Windows administration skills. Familiarity with professional geoscientific and seismic processing software in industry or academia. Programming and scripting skills. Effective communication skills. Experience with ProMax. Ability and interest in classroom teaching (lab).

**Supervision:** No supervisory duties

**Special instructions:** If you are selected as a final candidate for this position, you will be subject to the University of Oklahoma Norman Campus Tuberculosis Testing Policy. To view the policy, visit https://hr.ou.edu/Policies-Handbooks/TB-Testing.

**Hiring contingent upon a background check:** Yes

**Special indications:** None

**Posting date:** 3 July 2019

**Closing date:** Ongoing
• **FastTIMES Editorial Team Opportunities**

EEGS is seeking those interested in joining the *FastTIMES* editorial team. Geophysicists or geoscientists who have the passion, time, energy, and interest to participate as a managing editor should contact EEGS communications and publications chair Judy Robinson at judith.robinson@pnnl.gov or *FastTIMES* editor in chief Geoff Pettifer at editorfasttimesnewsmagazine@gmail.com. For additional information, visit [https://www.eegs.org/editorial-team-opportunities](https://www.eegs.org/editorial-team-opportunities).

5. FYI’S

I. **Society of Exploration Geophysicists 89th Annual Meeting**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday, 16 September</strong></td>
<td>1:50–5:10 p.m.</td>
<td>217C 303B</td>
<td><strong>NS 1:</strong> Dynamic Coastal Environment: Crossing the Land/Sea Interface</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>SS 2:</strong> Geoscientists Without Borders and Humanitarian Geophysics</td>
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<tr>
<td></td>
<td>8:30–11:50 a.m.</td>
<td>217C 301B</td>
<td><strong>NS 2:</strong> Engineering Geophysics</td>
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<tr>
<td></td>
<td>9:20–11:50 a.m.</td>
<td>E Hall</td>
<td><strong>SS 3:</strong> SEG/AGU Hydrogeophysics</td>
</tr>
<tr>
<td></td>
<td>12:05–1:05 p.m.</td>
<td>221A</td>
<td><strong>NS P1:</strong> Machine Learning and Airborne Geophysics</td>
</tr>
<tr>
<td></td>
<td>1:50–5:10 p.m.</td>
<td>217C</td>
<td>Solving Near-Surface Problems with Geophysics and Engineering</td>
</tr>
<tr>
<td><strong>Wednesday, 18 September</strong></td>
<td>9:20–11:50 a.m.</td>
<td>E Hall</td>
<td><strong>NS 3:</strong> Imaging and Modeling 1</td>
</tr>
<tr>
<td></td>
<td>1:50–5:10 p.m.</td>
<td>221C 225C 304B</td>
<td><strong>NS P2:</strong> Novel Methods</td>
</tr>
<tr>
<td></td>
<td>1:50–4:20 p.m.</td>
<td>E Hall</td>
<td><strong>NS 4:</strong> Applications for Archaeology, Void, and Target Detection</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>NS 5:</strong> Imaging and Modeling 2</td>
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<td></td>
<td></td>
<td></td>
<td><strong>SS 8:</strong> Surface Wave Method Applications</td>
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<td></td>
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<td><strong>NS P3:</strong> Seismic Processing and Applications</td>
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</tbody>
</table>
See the full technical program schedule [HERE](#).

### Near-Surface Summits

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. to 5:00 p.m., Room 217A</td>
<td>Near-Surface Geophysics for Archaeological and Forensic Applications (0.75 CEU)</td>
</tr>
<tr>
<td>8:30 a.m. to 5:00 p.m., Room 217D</td>
<td>Advances in Unmanned Airborne System (UAS) Geophysics</td>
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### Near-Surface Geophysics Technical Section Reception

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues., 17 September</td>
<td>7:00–10:00 p.m.</td>
<td>Iron Cactus Restaurant, 200 Riverwalk, Suite 100</td>
</tr>
</tbody>
</table>

Tickets are free, but registration is required for the event.

### Solving Near-Surface Problems with Geophysics and Engineering

Please join the NSTS for this panel discussion following the Engineering Geophysics Technical Session on Tuesday, 17 September 2019, 12:05–1:05 p.m. at Convention Center, Room 221A.

**Description**

Engineers and geophysicists often focus on the same near-surface problems and, in some cases, collaborate on the same projects, but information can sometimes get lost in translation. It is important that both professions use each other’s expertise effectively so that these problems can be solved efficiently to reduce the opportunity for future failures. This panel aims to provide students and professionals with a better understanding of how the engineering and geophysical communities are working together and how they can work together better. Panelists will include engineering and geophysics faculty members as well as working professionals in the engineering sector to provide perspectives from research and development to practical applications.

**Panelists**

- Dr. Stacey Tucker-Kulesza, Kansas State University
- Dr. Joseph Coe, Temple University
- Dr. Mark Everett, Texas A&M University
- Jacob Spinsby, Terracon
- Sarah Morton Rupert, Kansas Geological Survey (Moderator)

### II. 2019 Virtual Near-Surface Global Lecturer

**Advancing the Use of Geophysical Methods for Sustainable Groundwater Management**
Throughout the world, there is growing recognition of the need for sustainable management of our groundwater resources. Sustainable management commonly builds on the development of a groundwater model, which can be used to predict and assess the impacts of changing conditions (e.g., climate, land use) and changing water demands on the groundwater system. The critical challenge is acquiring the data required to both develop an accurate groundwater model and monitor changes in the groundwater system. Over the past decade, in collaboration with water agencies and other scientists in academia and the private sector, we have advanced the use of borehole, surface, airborne, and satellite geophysical methods to map and monitor groundwater systems at scales ranging from submeter to tens of kilometers. Examples include the use of interferometric synthetic aperture radar (InSAR) data to monitor changing water levels; the use of an airborne electromagnetic (AEM) method and electrical resistivity tomography to map the architecture of groundwater systems and coastal saltwater intrusion; and the integration of InSAR and AEM data to predict subsurface properties. These examples demonstrate the significant role that geophysical methods can play, and should play, in the sustainable management of our groundwater resources.

Biography
Rosemary Knight has worked for more than 30 years on the challenge of using geophysical methods to image groundwater systems. Her research ranges from carefully controlled laboratory experiments to large-scale field experiments, all designed to explore new ways of remotely imaging hydrologic properties and processes. In 2008, Knight founded the Center for Groundwater Evaluation and Management with the vision of advancing and promoting the use of geophysical methods through the development of partnerships—with real people, in the real world, with real problems. Knight has been active within the Society of Exploration Geophysicists, serving as second vice president and Distinguished Lecturer, and within AGU, serving as founding chair of the Near-Surface Geophysics Focus Group and as associate editor for Water Resources Research and Journal of Geophysical Research. Current and past students and postdoctoral scientists within her research group all share her commitment to finding new ways to use geophysical methods to support the sustainable management of our groundwater resources.

Format: Virtual webinar; 45-minute presentation followed by a 15-minute Q&A
III. 5th International Conference on Engineering Geophysics (ICEG)

The United Arab Emirates University (UAEU) and Al Ain City Municipality (AAM), in partnership with the Society of Exploration Geophysicists, are proud to announce the fifth edition of the International Conference on Engineering Geophysics (ICEG). This edition will take place 21–24 October 2019 in the Conference Auditorium of the Crescent Building on the grounds of UAEU.

The objectives of ICEG 2019 will concentrate on global innovation, creativity, advances, and new approaches in the field of engineering/environmental geophysics and related fields. In addition to the core engineering/environmental and geotechnical focuses of this upcoming 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 of the critical role of near-surface geophysics. To submit your abstract, visit https://iceg2019.abstractcentral.com. The submission program is now open. For more information, visit ICEG 2019.

IV. AGU Chapman Conference on the Quest for Sustainability of Heavily Stressed Aquifers at Regional to Global Scales

Many of the world’s major aquifers are under severe stress as a result of deficits created by large imbalances between inflows and outflows. These deficits have led to widespread depletion and, in some areas, degradation of groundwater resources, which are of particular concern in areas where alternative water supplies are limited. As a result, the question of what the future holds for these heavily stressed aquifers is being asked with increasing urgency worldwide. This Chapman Conference will draw together the community of researchers interested in the general topic of the sustainability of heavily stressed aquifers. Our goal is to assemble a diverse group of participants from the hydrology, policy, economics, and social science communities to discuss the following:

- Insights gained from previous field and modeling investigations and policy initiatives
- Unresolved questions regarding key governing mechanisms and conceptual–model uncertainties
- Approaches for tailoring policies to mesh with existing cultural and regulatory frameworks
- Appropriate roles for economic incentives
- Prospects for a more sustainable future

Emphasis will be placed on large regional aquifers supporting irrigated agriculture, as agriculture is the major user of groundwater. The ultimate objective of the conference will be to define promising paths forward for these heavily stressed systems. To submit your abstract, visit
https://connect.agu.org/aguchapmanconference/upcoming-chapmans/aquifers-sustainability/program/guidelines. The submission program is now open. For more information, visit AGU Chapman Conference–Aquifer Sustainability.

V. Environmental and Engineering Geophysical Society (EEGS): FastTIMES

The latest issue of FastTIMES, a newsmagazine for the near-surface geophysical sciences, has been released: https://www.eegs.org/latest-issue. This is a special issue on Managed and Natural Aquifer Recharge Geophysics. Check it out.

Other upcoming issues in 2019 are
- U.S. Infrastructure–Geotechnical and NDT Geophysics
- Geophysical Mapping for Completion of the Geological Mapping Coverage of the U.S.
- EPA Superfund Sites Geophysics

If you are interested in contributing or advertising, contact the editor, Geoff Pettifer, at editorfasttimesnewsmagazine@gmail.com.

VI. EEGS FastTIMES (Vol. 24, No. 4): Special Issue on NSG Geophysical Software

This issue will be part of a continuing series of special issues on themes of sustainability, the importance of evolving geophysical software to the advancement and sustainability of near-surface geophysics as a profession, and continuously improving the quality and delivery of the services and processed and interpreted products we deliver to the various geoscience and engineering sectors we serve. Copy deadline for the special issue is 11 October.

We are hoping the special issue will serve as a reasonably comprehensive snapshot of the status of availability and salient features of current NSG geophysical software. Therefore, we are seeking technical contributions, by inviting both researchers developing open-source software and commercial software developers (who are prepared to also advertise their commercial software) to contribute technical articles, with case examples showcasing the capability and differentiation of the software.

We look forward to expressions of interest and participation in this important special issue of FastTIMES. Please make contact as soon as possible for inclusion in the special issue.

Contact:
Geoff Pettifer: editorfasttimesnewsmagazine@gmail.com; +1-360-989-6771 for contributions of technical articles or technical inquiries
David Valintine: dvalintine@fugro.com; +1-713-369-5474 for advertising inquiries and application
VII. British Geophysical Association New Advances in Geophysics 2019 Meeting: Geophysics in the Critical Zone

Save the date: 11–12 November 2019 at the Geological Society of London’s Piccadilly location, and watch for further announcements.

The British Geophysical Association and the Near Surface Geophysics Group of the Geological Society of London are pleased to announce that 2019’s New Advances in Geophysics meeting will focus on Geophysics in the Critical Zone—the upper tens of meters of the ground that dominate our interactions with geology. The drive toward sustainable economic development requires, more than ever, an understanding of the relationship between society and the geology on which it is built. The properties of the near-surface environment, and the processes acting in it, affect us daily, in the foundations of our cities and future energy generation, the aquifers that store our water, and the soils that grow our food and preserve our history. The near surface represents a uniquely challenging environment for geophysical surveys, comprising diverse natural and man-made materials, extreme changes in local ground conditions, and a complex range of subsurface processes. Nonetheless, geophysicists have developed methods to address these challenges. This meeting highlights modern geophysical approaches to understanding the near-surface environment and will showcase future directions for the discipline. The deadline for abstract submission has passed. For more information, visit https://nag2019.wordpress.com/.

VIII. SAGEEP2020: The 33rd Symposium on the Application of Geophysics to Engineering and Environmental Problems and the 1st Munitions Response Meeting

The call for abstracts is now open: The deadline for submitting abstracts to the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP) and the 1st Munitions Response Meeting is Friday, 4 October 2019. SAGEEP is a premier international conference focusing on the near surface. It’s where practitioners, academics, consultants, students, and government representatives see ideas develop and mature to new approaches and methods. We literally see into the future. We encourage you to join us from 29 March to 2 April 2020; share your research, learn from others, see new technological improvements, and network in our profession. This is how we improve; this is how we look forward; this is visionary geophysics. For more information, visit SAGEEP2020.

To contribute material to the NSG newsletter, send an email to Kisa Mwakanyamale. 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!