



**NEAR-SURFACE GEOPHYSICS FOCUS GROUP
NEWSLETTER: NOVEMBER 2013**

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Recent announcements of interest to the NS community (conferences, academic positions, graduate student opportunities etc.) can be found at the AGU NS-Focus Group Web Page: <http://sites.agu.org/nsg/>

Follow NSFG on Twitter @NS_AGU!

1. NSFG to Host the SEG Near Surface Honorary Lecture at the Fall Meeting Business Luncheon (Dec.10). *Get your tickets early!* (from George Tsoflias, NSFG President)

NSFG is honored to host Valentina Socco, the 2013 Society of Exploration Geophysicists (SEG) Near Surface Honorary Lecturer, at the Fall Meeting business luncheon on Tuesday December 10. The title of the presentation is “*Surface wave analysis for near-surface characterization: Introduction, theme and variation*” and it is presented at seventeen international venues. Information about the 2013 SEG Near Surface Honorary Lecture is available at the [SEG website \(http://www.seg.org/education/lectures-courses/honorary-lecturers/nearsurface/socco/abstract\)](http://www.seg.org/education/lectures-courses/honorary-lecturers/nearsurface/socco/abstract).

NSFG Luncheon tickets are available online at the Fall Meeting registration site. Purchase your ticket early before they sell out!

2. AGU Fall Meeting Program Online – Registration Deadline: 8 Nov.

The program for the Fall Meeting is now available online. This means that the rush to plan your meeting and book hotels is on now! Go to the [AGU website \(www.agu.org\)](http://www.agu.org) to see the fall meeting program, register, and book you hotel...before they are all gone!

3. Free Student Tickets for NSFG Luncheon at Fall AGU (from Seth Campbell, Student Rep.)

We still have some reserved tickets available for students to attend the NSFG luncheon on a first request basis. If interested in receiving a free ticket, please email Seth Campbell (seth.campbell@umit.maine.edu) by **15 Nov.** Please check online at the AGU meeting website that you have a primary or secondary affiliation with NSFG prior to requesting a ticket and notify Seth of your membership status (NSFG primary or secondary affiliation) in your ticket request.

We look forward to seeing our NSFG students at the luncheon!

4. Joint Student and Early Career Networking Event at AGU (from Nedra Bonal, NSFG Early Career Rep., and Seth Campbell, NSFG Student Rep.)

We will be having a joint networking event for students and early careers at the AGU Annual Meeting in December. Please contact Seth Campbell (Seth_Campbell@umit.maine.edu) or Nedra Bonal (nbonal@sandia.gov) for more information. We look forward to seeing you.

5. Member Comment Period for Proposed Changes to the AGU Bylaws through 18 Nov.

AGU members are invited to comment on proposed changes to AGU's bylaws. The updates reflect changes required by DC law and changes enacted by the AGU Board of Directors and Council during the transition in 2010-2012 to a new governance structure. Members can view and comment on the proposed changes at the [AGU website \(http://sites.agu.org/leadership/agu-bylaws-comment-period/\)](http://sites.agu.org/leadership/agu-bylaws-comment-period/).

The comment period is open until 18 November. There are 3 documents posted online to help you respond: a 2-page summary for those who want a high-level summary; the proposed AGU bylaws color-coded to reflect the source of the change; and a redlined version of the current bylaws. AGU members have 3 options to respond to the proposed changes: No comment - the proposed changes look OK to me; abstain from commenting; and submit comments.

All comments will be reviewed by the Bylaws Task Force composed of two Board and three Council members. The AGU Council will make the final decision about changing the bylaws during its meeting on 8 December 2013.

Questions can be directed to Cheryl Enderlein (cenderlein@agu.org).

6. Upcoming Conferences and Workshops

6.1 SAGEEP 2014 – Abstract submissions now open (from Jutta Hager)

Conference Date: 16-20 March, 2014

Website: [EEGS Website](http://www.eegs.org) (www.eegs.org)

SAGEEP (Symposium on the Application of Geophysics to Engineering and Environmental Problems) 2014 will be held 16-20 March at the Boston Marriott Copley Place Center in the heart of Boston, Massachusetts. You may contact SAGEEP Technical Chair [Mario Carnevale](#) with session proposals at any time. Watch the [EEGS web site](#) for more details.

The annual SAGEEP meeting continues to grow through collaboration with the AGU NSFG, SEG and others with interest in near surface geophysics, and members of AGU NSFG are strongly encouraged to participate in SAGEEP 2014. The activities will include the opening ice breaker, keynote, multi-track technical sessions, presentations by Early Career Award recipients, exhibitors' outdoor equipment demonstrations, field trips, luncheons, a special conference evening event, workshops, and short courses. So remember to save 16-20 March, 2014 to attend SAGEEP 2014 in Boston!

6.2 3rd International Workshop on Induced Polarization (IP)

Conference Date: 6-9 April, 2014

Location: Ile d'Oleron, Charente-Maritime, France

Conference Website: ip.geosciences.mines-paristech.fr

Email Contact: IPworksho2014@gmail.com

While originally developed for prospection and characterization of mineral deposits purposes, the recent developments of Induced Polarization (IP) geophysical methods in terms of instrumentation, processes understanding at micro-scale for low frequencies (< 1000 Hz) or macroscopic modeling and inversion processes are very promising for environmental low-polarizable targets study. Promising applications of the IP method are particularly seen in hydrogeophysics, biogeophysics or characterization of contaminated sites.

The aim of this workshop is twofold: (i) discuss the recent developments of the method for the geophysicist community, and (ii) open the discussion with other scientific communities (e.g., medical imaging, biological, astrophysical) using the same physical processes even if with other names (e.g., AC impedance spectroscopy, low-frequency dielectric spectroscopy).

The particularity of this workshop is that classical scientific sessions will be completed with working groups.

Four sessions will be organized. The 3 first sessions will focus on the recent work concerning the processes generating the IP response (S1), as well as for time domain and spectral domain IP data acquisition methodology for laboratory and field scale (S2), or for geoscientific case studies (S3). The last session (S4) is dedicated to nongeoscientist topics.

Four parallel Working Groups will be organized. The first one (WG1) concerns the advances about IP inversion procedures. WG2 is about transdisciplinarity of IP: from IP to impedance Spectroscopy. WG3 is about how to write a handbook on TDIP and SIP. The last

Important Deadlines:

Preliminary submission*	15 Nov, 2013
Extended abstract (max 1000 words)	15 Jan, 2014

*Preliminary submission includes title, authors, affiliation, a two sentence abstract, and oral/poster preference.

6.3 22nd EM Induction Workshop

Conference Date: 24-30 August, 2014

Location: Weimar, Germany

Conference Website: www.emiw2014.de

The 22nd Electromagnetic (EM) Induction Workshop in Weimar is the premier event for researchers around the world to exchange latest developments in the field of geophysical-electromagnetism. The Workshop is important for both the international research community and for the many sectors of industry and government that use EM methods.

7. Position Announcements

7.1 Geophysics Faculty Position, Electrical/Electromagnetic Methods, University of Kansas

The Department of Geology at the University of Kansas invites candidates to apply for a tenure-track, faculty position at the Assistant Professor level in Geophysics; appointment is expected to begin as early as August 18, 2014. We are seeking an individual with a research specialty in the areas of Electrical and Electromagnetic Methods who will contribute to research in water resources. This position will provide expertise in the emerging fields of hydrogeophysics and/or biogeophysics. Focus areas of study could include aquifers, geothermal and hydrocarbon reservoirs, polar environments (ice sheets; permafrost), and monitoring of hydrological and biogeochemical processes as they relate to water, energy, and environment. The successful candidate will be expected to establish an externally funded research program, direct graduate students, and participate in teaching at graduate and undergraduate levels.

This position is part of a coordinated cluster of 15 new faculty positions that focus on “Water Resources” and build upon strengths identified across the School of Engineering, the School of Law, the College of Liberal Arts and Sciences, the Kansas Biological Survey, and the Kansas Geological Survey. The cluster will bring integrated understanding of water resources, governance, and sustainability; it will develop new interdisciplinary degree programs, and collaborate on major grants. Collaboration opportunities exist with Department of Geology faculty in geophysics, hydrogeology, petroleum geology, sedimentology, geobiology, glaciology and tectonics. Opportunities for collaboration also exist with other units across campus including the Kansas Geological Survey, Kansas Biological Survey, Chemical & Petroleum Engineering, Geography, Ecology and Evolutionary Biology, Center for Remote Sensing of Ice Sheets, and Civil, Environmental and Architectural Engineering. This cluster is envisioned as a truly integrated and interdisciplinary approach to water resources research, training, and the production of “actionable scholarship”. The position will complement the internationally recognized research in geophysics of the shallow subsurface at The University of Kansas. The Department will continue a tradition of hiring individuals whose research is collaborative and enhances the existing expertise to better address critical topics in water resources, energy and environment. Due to the interdisciplinary and collaborative nature of this new initiative, applicants for one position will be considered for a position in all departments.

A Ph.D. or ABD in geophysics, geology, natural sciences, engineering, or a closely related discipline with an emphasis on electrical and electromagnetic methods is expected by the start date of the appointment. Initial review of applications will begin February 3, 2014 and will continue as long as needed to identify a qualified pool.

For information about qualifications, a complete announcement, or to apply online, go to <https://employment.ku.edu> and click “Search Faculty Jobs”; search openings by “Geophysics”. A complete, electronic application will include a letter of application, curriculum vitae, a statement of research experiences and interests, a teaching statement; one or two article-length manuscripts or other writing samples, and the names and contact information of three individuals to serve as references. Applicants should have these individuals send letters of reference via email to George Tsoflias (tsoflias@ku.edu). Questions may be referred to the Committee Chair George Tsoflias (tsoflias@ku.edu) or the Department Chair Luis Gonzalez (lgonzalez@ku.edu). Refer to <http://geo.ku.edu/> for information about the Department of Geology at KU.

The University of Kansas is especially interested in hiring faculty members who can contribute to four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World; (2) Promoting Well-Being, Finding Cures; (3) Building Communities, Expanding Opportunities; and (4) Harnessing Information, Multiplying Knowledge. For more information, see www.provost.ku.edu/strategic-plan/initiatives.

TO CONTRIBUTE MATERIAL TO THE NSFG NEWSLETTER SEND AN E-MAIL TO:

Stephen Moysey (smoysey@clmson.edu)

DEADLINE: Material must be received 5 full business days prior to the first of each month.

GUIDELINES FOR SUBMISSIONS: All members are welcome to submit content of interest to the NS community. Please keep messages brief and provide contact information and (if available) a web address for additional information.

GET YOUR MESSAGE OUT NS MEMBERS FASTER:

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