



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

In brief:

1. New book "Near-Surface Applied Geophysics" by Mark Everett
2. Call for Nominations for 2014 SEG Near Surface Honorary Lecturer: DUE JULY 13
3. AWG Lone Star Rising Career Scholarship for Women Resuming Geoscience Careers
4. "Advances in Unsaturated Geophysics" session at GSA
5. Last Month's Twitter Highlights
6. Upcoming Meetings and Deadlines
 - 6.1 AGU 2013 Fall Meeting – Abstract submission site opens in June!
 - 6.2 EAGE 2013 Meeting (June 10-13)
7. Position Announcements
 - 7.1 Two openings at NSTec

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. New book “Near-Surface Applied Geophysics” by Mark Everett

Congratulations to Mark on the release of his new book with publisher Cambridge University Press!

Title: Near-Surface Applied Geophysics

Author: Mark E Everett

ISBN: 9781107018778

Website: www.cambridge.org/9781107018778

Book Description:

Just a few meters below the Earth's surface lie features of great importance, from geological faults which can produce devastating earthquakes, to lost archaeological treasures! This refreshing, up-to-date book explores the foundations of interpretation theory and the latest developments in near-surface techniques, used to complement traditional geophysical methods for deep-exploration targets. Clear but rigorous, the book explains theory and practice in simple physical terms, supported by intermediate-level mathematics. Techniques covered include magnetics, resistivity, seismic reflection and refraction, surface waves, induced polarization, self-potential, electromagnetic induction, ground-penetrating radar, magnetic resonance, interferometry, seismoelectric and more. Sections on data analysis and inverse theory are provided and chapters are illustrated by case studies, giving students and professionals the tools to plan, conduct and analyze a near-surface geophysical survey. This is an important textbook for advanced-undergraduate and graduate students in geophysics and a valuable reference for practising geophysicists, geologists, hydrologists, archaeologists, and civil and geotechnical engineers.

2. Call for Nominations for 2014 SEG Near Surface Honorary Lecturer (from John Bradford)

Nomination Deadline: July 13, 2013

In 2012, SEG expanded the Honorary Lecture (HL) Program to include the first thematic lecturer in Near Surface (NS). After the inaugural NS lecture tour by Rick Miller in 2012, Valentina Socco will present the upcoming 2013 lecture titled: "*Surface wave analysis for near-surface characterization: Introduction, theme and variations.*"

Now is the time to submit nominations for the 2014 Honorary Lecturer! Please submit completed nomination forms to Judy Wall (jwall@seg.org). The nomination period ends on July 13, 2013. The NSG community needs to support the NS HL and the first step is through nominations.

The goals of the Honorary Lecture program are to recognize an individual's contributions to advancing the science and technology of geophysics, foster a sense of community amongst geophysicists by providing opportunities for local meetings and exchange of ideas, and encourage students by providing the opportunity to discuss scientific and career issues with a leading expert.

The lecturer should be an expert in their field, an effective representative of SEG and an outstanding communicator. The lecture topic should be current and of global interest. The HL committee seeks nominations for many outstanding individuals; if you know a candidate to represent the SEG NSG in 10 - 12 domestic and international cities in 2014, please submit a nomination form today.

3. AWG Lone Star Rising Career Scholarship for Women Resuming Geoscience Careers (from Roxy Frary)

Deadline: Oct. 31, 2013

Website: <http://www.awg.org/eas/scholarships.htm>

The AWG Lone Star Rising Career Scholarship provides professional development funding for women geoscience professionals seeking to resume their geoscience careers after having been out of the work force or women geoscience students seeking to enter the workforce in a geoscience-related field within the next two years. Deadline for applications is October 31, awards will range up to \$3000.

4. “Advances in Unsaturated Geophysics” Session at GSA (from Kamini Singha)

Abstract Deadline: Aug.6, 2013

Website: <http://community.geosociety.org/2013AnnualMeeting/Home>

This year there's a session entitled "Advances in Unsaturated Geophysics" at the annual Geological Society of America meeting. This session focuses on geophysical methods for quantitative estimation and imaging of unsaturated zone hydrologic properties and processes. Laboratory- to field-scale examples of new methods to acquire, analyze, and interpret vadose zone geophysics are encouraged. The meeting is Oct 27-30 in Denver, and abstracts are due August 6. Contact session chairs John Lane (USGS) and Kamini Singha (Colorado School of Mines) with any questions.

5. Last Month’s Twitter Highlights (from Stephen Moysey)

Want to keep up on deadlines and happenings that get missed between newsletters? Sign up on [Twitter](#) to follow us [@NS_AGU](#). Here are a few Tweets from last month:

- Ways to use technology to engage students in a global collaboration project;
 - Apply for Science Policy Fellowships from GSA and AAAS;
 - Improving innovation and collaboration at conferences – an experiment in “The Unsession” at GeoConvention 2013;
 - Conference on Capturing Uncertainty in Geomodels – Abstract Deadline: Sept.16
 - AGU’s Student T-shirt design and video contests (submission closes June 30);
-
-

6. UPCOMING MEETINGS AND DEADLINES

6.1 AGU 2013 Fall Meeting (San Francisco, USA)

Abstract submission for fall AGU begins this month!

Important dates for the 2013 Fall Meeting:

June 17:	Abstract submission site opens
July 15:	Registration and Housing opens
August 6:	Abstract submission deadline
Dec. 9-13:	2013 Fall Meeting

6.2 EAGE 2013 (London, UK)

Meeting Date: June 10-13

Technical Program Website: www.eage.org/events/index.php?evp=6983&ActiveMenu=2

Join your colleagues this summer in London for the EAGE Conference & Exhibition incorporating the SPE EUROPEC 2013. Many geophysics oriented session of interest will be available in the technical program, ranging from basic methods development to applications to carbon sequestration and archeology. Under the heading of Near Surface Geoscience, the 19th European Meeting of Environmental and Engineering Geophysics is set up to highlight new achievements of geoscientific methods applied for the investigation of the shallow parts of the Earth and its surface.

The technical programme includes several oral and poster presentations on a broad selection of near surface geoscience related topics. For an overview of all topics, the venue, the workshops or other related topics please visit the [event's website](#) or read the [First Announcement](#). If you have more questions you can also contact us via nearsurface@eage.org!

7. Position Announcements

7.1 Two Positions at NSTec (from Catherine Snelson)

The first position is Manager of the National Center for Nuclear Security:

Website: <http://www2.nstec.com/Job%20Opportunities/109435.pdf>

The second is a scientist position to run a new nonproliferation program using high explosive testing. Similar to the Source Physics Experiment in terms of the basic work with a different science goal for the project. This person would be the technical integrator for the new program interfacing with the national laboratories and helping to design the science campaigns and drive the science. This person needs to be a PhD.

Website: <http://www2.nstec.com/Job%20Opportunities/109434.pdf>

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

Stephen Moysey (smoysey@clermson.edu)

DEADLINE: Material must be received 4 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!