

March 2011 Newsletter of the AGU Near-Surface Focus Group

1. NSFG Outstanding Student Paper Award (OSPA) Fall 2010 AGU Meeting
2. AGU Fall Meeting 2011: Session Proposals now open
3. News from the AGU NSFG Student Section: We are now on Facebook
4. SEG 2011: September 18-23, San Antonio, Texas: Call for Abstracts
5. SAGEEP 2011: April 10-14, Charleston, South Carolina: Registration is now open
6. Advances in Near-surface Electromagnetic Induction Geophysics Workshop at SAGEEP
7. IWAGPR2011: 6th International Workshop on Advanced Ground Penetrating Radar: Registration is now open
8. 3DEM-5, October 7-9, 2011 Sapporo, Japan and GEM, October 10-13, 2011 Beijing, China
9. Nominations for the AWG Outstanding Educator Award
10. Open positions:
  - 10.1. Assistant Professor of Geophysics at Boise State University

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://nsg.agu.org>

AGU NS Membership as of March 2011:

Primary affiliation: 740 members; Secondary: 2591 members

=====

1. AGU NSFG Outstanding Student Paper Award (OSPA) Fall 2010 AGU Meeting (from George Tsoflias)

The Near Surface Focus Group had strong student participation at the Fall meeting with 39 student presentations in 10 sessions. Many excellent oral and poster presentations were given covering a broad spectrum of NS research areas. It is very exciting to see the high quality of work presented and the enthusiasm shown by NS student members.

The Fall 2010 AGU Meeting Near Surface Focus Group OSPA winners are:

Majid Beiki from Uppsala University, presented “Deconvolution of gravity gradient tensor data using an infinite dike model” co-authored by L. B. Pedersen

Ali Araj from Colorado School of Mines, presented “A Numerical Investigation of Cross-Hole Seismoelectric Conversion” co-authored by A. Revil, B. J. Minsley and A. Jardani

We would also like to extend our appreciation to the volunteer judges that evaluated student presentations and helped NS identify OSPA winners: Chet Weiss, Leif Cox, Juan Lorenzo, Lee Slater, Dimitris Ntarlagiannis, Andre Revil, Niklas Linde, Seth Hanes, Thomas Lecocq, Gene-Hua Crystal Ng, Xiaobing Zhou, Burke Minsley, D. Glaser, Ping-Yu Chang, Sarah Kruse, Behnam Jafarpour, Maria Deszczpan, Yuxin Wu, Kristina Keating, Thomas Blum, Tim Seher, Estella Atekwana, Helen French, Larry Bentley, Ali Ismet Kanli, Nedra Bonal, Li Zhen Cheng.

Congratulations to Ali and Majid and many thanks to the OSPA judges. We look forward to a strong Fall meeting student participation in 2011

From the OSPA coordinators: George Tsoflias, Rhett Herman and Xavier Comas

-----

2 AGU Fall Meeting 2011: Session Proposals now open (from Chester Weiss)

Dear NS Colleagues,

Please note two important changes related to the 2011 Fall AGU Meeting...

Session proposals are NOW OPEN and WILL CLOSE 20 April.

Abstracts ARE DUE 4 August.

To avoid overlapping and/or competing sessions, prospective session conveners are encouraged to get the word out about their session ideas so that all who are interested in leading can have the chance to contribute. Presently we do not have an online forum established for these sorts of brainstorming discussions, but there are options. Facebook comes to mind immediately as one option, however there may be others that are preferred.

If an online forum space is desired, then let us know your thoughts we will make it happen. Remember, the health of the NS Focus Group is rooted in the vibrancy of its constituency. So, get those creative juices flowing and let's make this the largest NS-AGU yet! It's easy to do. You will need 2 to 3 session conveners, a good title, and a short description. Visit the AGU Web site for additional information and to submit your proposals.

Fall Meeting Deadlines:

Session Proposals: 20 April

Abstract Submissions: 4 August

2011 Fall Meeting • 5-9 December • San Francisco, California, USA

For more information, visit <http://www.agu.org/meetings/>

-----  
3. News from the AGU NSFG Student Section: We are now on Facebook (from Seth Campbell)

We are now on Facebook! Look for us and add yourself as a member in the AGU Near Surface Focus Group. We welcome posts about information related to near surface geophysics or any AGU related activities. Contact Seth Campbell ([seth.campbell@umit.maine.edu](mailto:seth.campbell@umit.maine.edu)) for more information.

-----  
4. SEG 2011: September 18-23, San Antonio, Texas: Call for Abstracts (from Jan van der Kruk)

The Near Surface Geophysics Section would like to invite you to submit an Expanded Abstract for oral or poster presentation at the SEG International Exposition and 81th Annual Meeting in San Antonio, Texas, 18-23 September, 2011. The abstract submission system opens on 9 March 2011 and the deadline is 6 April 2011. Please visit the website <http://www.seg.org/events/annual-meeting/sanantonio2011/am2011overview> for more details.

Contributions from all Near Surface and Environmental Geophysics disciplines and from all parts of the world are welcome. We encourage paper submissions which emphasize near surface geophysics applied to groundwater resource evaluation, mine dewatering, environmental characterization, engineering evaluation, seismic and geologic hazards assessment, as well as advancements in borehole, surface and airborne geophysical technologies and processing for near surface applications. We are anticipating an exciting near-surface program with two to three special sessions and one post-convention workshop

-----  
5. SAGEEP 2011, April 10-14, Charleston, South Carolina: Registration is now open

The Symposium on the Application of Geophysics to Environmental and Engineering Problems (SAGEEP) provides geophysicists, engineers, geoscientists and end-users from around the world an opportunity to meet and discuss near-surface applications of geophysics and learn about recent developments in near-surface geophysics.

SAGEEP is internationally recognized as the leading conference on the practical application of shallow geophysics. Since 1988 at the Colorado School of Mines, the symposium has been held over a 5-day period at locations throughout the United States, with approximately 150 oral and poster presentations, several educational workshops, numerous vendor presentations, and a commercial exhibition. A set of proceedings, comprised of technical presentations, is distributed on CD and available online as part of the new EEGS Research Collection.

For more information visit <http://www.eegs.org/sageep/index.html>

---

#### 6 Advances in Near-surface Electromagnetic Induction Geophysics Workshop at SAGEEP (from Mark Everett)

We are very pleased to announce the upcoming joint SEG/EEGS workshop entitled “Advances in Near-surface Electromagnetic Induction Geophysics” to be held on Thursday, April 14, 2011 in conjunction with the 23rd SAGEEP meeting in Charleston, South Carolina. The conference website is <http://www.eegs.org/sageep/>. Click on the Short Course/Workshops link at the left of the page.

A description of the workshop appears below. We plan to assemble a special issue of either Geophysics (SEG publication) or Journal of Engineering and Environmental Geophysics (EEGS publication) based on the invited and contributed presentations at the workshop. Registration for the workshop will be open soon – details will appear on the website. We hope to see you in Charleston!

W-1: Advances in Near-surface Electromagnetic Induction Geophysics (jointly sponsored by EEGS and SEG)

Date: Thursday, April 14, 2010 Time: 8 am - 5 pm

Coordinators: M. Everett, Texas A&M Univ. and C. Farquharson, Memorial Univ., Newfoundland

There has been a great deal of activity in near-surface applied electromagnetic induction geophysics in the past several years. New and experienced practitioners are achieving great success in applying the method. Moreover, theorists are becoming better able to exploit the rich information content that is available in electromagnetic induction datasets. The electromagnetic induction method, with its broad opportunities to design new transmitters, receivers and interpretation tools, continues to offer wide avenues to capture the spatial complexity of the subsurface. The recent explosive growth of near-surface electromagnetic induction geophysics foreshadows many innovative techniques and applications that are certain to be forthcoming. This workshop is designed for participants to bring forward and discuss new advances in theory, instrumentation, data processing and interpretation, and innovative applications of near-surface applied electromagnetic induction geophysics. Topics will include but not be limited to modeling, inversion, heterogeneity, anisotropy, target recognition, logging and airborne EM, in addition to new or emerging techniques such as landmine detection, biogeophysics, interferometry, shallow-water electromagnetics, radiomagnetotellurics, and airborne UXO discrimination.

---

#### 7. IWAGPR2011: 6th International Workshop on Advanced Ground Penetrating Radar: Registration is now open (from Jan van der Kruk)

Dear Colleagues,

It is now possible to register online for the 6th International Workshop on Advanced Ground Penetrating Radar (IWAGPR2011). You can register using the link <registration> on the IWAGPR2011 homepage [www.fz-juelich.de/iwagpr2011](http://www.fz-juelich.de/iwagpr2011). The reduced fees will be valid up to April 21st 2011.

Note that the deadline for submitting an extended abstract (camera ready paper, 4-6 pages) is approaching: February 28, 2011

Best regards,  
Jan van der Kruk  
General Chair IWAGPR2011

---

#### 8. 3DEM-5, October 7-9, 2011 Sapporo, Japan and GEM, October 10-13, 2011 Beijing, China

3DEM-5: 5th International Symposium on Three-Dimensional Electromagnetics

Date: October 7-9, 2011

Place: Hokkaido University Conference Hall, Sapporo, Japan  
2nd circular is available here <http://www.segj.org/3dem5/download.html>

Important dates:

May 31, 2011: Deadline for Extended Abstract submission

Extended abstracts should be two to four pages in length including figures. Details are provided in the 2nd circular.

GEM Beijing 2011: International Workshop on Gravity, Electrical and Magnetic Methods and their Applications

Date: October 10 - 13, 2011

Place: International Conference Center at China University of Geosciences in Beijing, China

Download Flyer: [GEM Beijing 2011.pdf](#)

For further details visit: <http://geophysics.mines.edu/cgem/gem2011.html>

---

#### 9. Nominations for the AWG Outstanding Educator Award (from Patricia Manley)

Is There a Women Geoscientist Professor Who Made a Difference in Your Life?

Please take the time to honor her by nominating her for the AWG Outstanding Educator Award (<http://www.awg.org/EAS/oea.html>). The AWG established the Outstanding Educator Award in 1988 to honor well-established college or university teachers who have played a significant role in the education and support of women geoscientists both within and outside the classroom. Examples of support include encouraging women to enter and continue in a geoscience career, providing opportunities for field and laboratory experience, and serving as a positive role model. In addition, awardees are selected on the basis of their contributions as professionals, involvement with professional societies or groups, and/or participation in science education programs in their community.

The deadline for nominations is April 1. Nominations must include a current vitae and at least six letters of recommendation from professional colleagues, former students, and current students. Send nominations and supporting material to the Chair of the AWG Outstanding Educator Award selection committee either via email or regular mail. Nomination by e-mail is preferred, with all documents saved in one pdf file and emailed as attachment to Pat Manley ([manley@middlebury.edu](mailto:manley@middlebury.edu)).

Dr. Patricia Manley  
Department of Geology  
Middlebury College  
427 Bicentennial Hall  
Middlebury, VT 05753  
[manley@middlebury.edu](mailto:manley@middlebury.edu)

---

#### 10. Open positions:

##### 10.1. Assistant Professor of Geophysics at Boise State University

Boise State University invites applications for a tenure track faculty position in geophysics to be filled at the level of Assistant Professor. Boise State has an internationally recognized program in near-surface geophysics with active research programs in the fields of hydrogeophysics, inverse theory, wave propagation and imaging, computational geophysics, engineering geophysics, and cryosphere geophysics. The Boise Hydrogeophysical Research Site, Dry Creek Experimental Watershed, an extensive pool of field equipment, and newly completed Environmental Research Building provide state-of-the-art field and interior lab facilities to support research in our dynamic department. We encourage applications from individuals interested in contributing to this vibrant and progressive program. For further information about our faculty, research and teaching programs, and exceptional resources for conducting geophysical research, please visit our websites at <http://earth.boisestate.edu> and

<http://cgiss.boisestate.edu>.

The successful applicant will develop an internationally recognized program in near-surface geophysics supported by external funding. A Ph.D. in geophysics or a related field such as applied physics, applied mathematics, or engineering is required at the time of appointment. Excellent teaching skills and research experience in academia or industry demonstrated through publications are required.

Please apply online at <https://cgiss.boisestate.edu/~pm/FacultySearch/> where you will upload a cover letter, curriculum vitae, statement of research and teaching interests, and contact information for at least three references. Please reference Search Number AS-0027-01. Review of applicants will begin March 15 and will continue until finalists are identified. Applications received after that point may be considered if the position is not filled from the finalist pool. For additional information contact: Geophysics Search Committee, Department of Geosciences, Boise State University, 1910 University Drive, Boise, ID 83725, [geopsearch@boisestate.edu](mailto:geopsearch@boisestate.edu).

Boise State University is an EEO/AA Institution, Veterans preference.

-----  
To contribute material to the NS-letter send an e-mail to:  
Xavier Comas [xcomas@fau.edu](mailto:xcomas@fau.edu)

DEADLINE: Material must be received 2 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. AGU requests formatting of e-mail messages to be as simple as possible (no bold characters (use ALL CAPS instead), no color font, or other special formatting of text and paragraphs). E-mail attachments cannot be distributed