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June 2012 Newsletter of the AGU Near-Surface Focus Group

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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](#).

AGU NS Membership as of June 2012:

Primary affiliation: 793 members; Secondary: 2881 members

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1. Announcement: The Near-Surface Focus Group website has a new face (from Juan Lorenzo)

Dear NSG Members:

We are happy to announce a new look to our official [Near-Surface Focus Group Web site](#) using Word Press software.

Our new web site should be easier to maintain and give us a style that is consistent with our fellow AGU affiliations.

If you have any suggestions to improve our web presence, do not hesitate to write to the web editor ([Juan M. Lorenzo](#)).

2. Announcement: Near-Surface Focus Group subcommittee to support Early Career scientists (from Nedra Bonal)

The Near-Surface Focus Group is forming a subcommittee to support Early Career scientists. This subcommittee will represent the unique interests and concerns of recent Ph.D.'s in the early stages of their careers as research scientists. Please contact [Nedra Bonal](#) if you would like to participate or for more information.

3. Announcement: Member input into Publications Criteria (from Lu Pellerin)

Publications have been discussed extensively by Council and the transformation of AGU's publications was identified as a high priority objective in the Strategic Plan. Recently, the AGU board reached a decision to evaluate partnering with a third party publisher for production, sales and marketing aspects of the AGU's publications. This decision followed a third party external review and widespread consultation with Council, editors and the Publications Committee. The decision is based both on scientific and organizational considerations.

In order to ensure that the scientific criteria for evaluating potential partners is well developed, the leadership of all sections and focus groups have been invited to share their input and to provide comment on initial criteria as developed by the Board and Publications Committee. These draft criteria are summarized as follows:

Fit for AGU's mission, scope and culture.

- Strategic alignment and positioning for the future
- Author and editor support
- AGU control and autonomy
- Expanding AGU's reach

A detailed document on the draft criteria, which was shared with the Board, Council

and journal editors, is posted on the NSFG website. If you would like to share any comments on the criteria, please send them to [Lu Pellerin](#) by 10 June, and I will summarize our group's comments for consideration by the Council.

4. Announcement: SEG SAGEEP 2013: session proposals now being accepted (from Bruce Smith)

Session proposals are now being accepted for SAGEEP 2013 to be held in Denver, Colorado, USA, 17-21 March at the Denver Marriott at the Tech Center, a short ride on the light rail south of Down Town Denver. Session proposals can be submitted on the [EEGS Web site](#); the deadline is Monday, 11 September 2012.

Joint NSFG-EEGS sessions at SAGEEP 2012 on Nuclear Magnetic Resonance and Characterization of Fractured Rock Aquifers were well attended. We are hoping for a strong AGU NSFG presence at NSFG at SAGEEP2013. Please submit session proposals and identify the submission as a joint session.

[Mike Powers](#), general chair, and [Bruce Smith](#), technical chair, are inviting an NSFG member to serve on the SAGEEP2013 committee. If you are able to serve as the AGU-EEGS liaison please contact Mike, Bruce, or [Lu Pellerin](#).

5. Announcement: SEG Near Surface Geophysics Honorary Lecture (from Lu Pellerin)

In 2012 the Society of Exploration Geophysicist established an Honorary Lecturer (HL) tour in Near Surface Geophysics. The first NS HL is Dr. Rick Miller, Kansas Geological Survey, Lawrence, Kansas, USA.

Title: Near-surface seismic: More than a problem of scale. [Rick's abstract and schedule of his tour](#) are available.

Nominations for the 2013 NS HL are open until 13 July. If you would like to put forward a colleague to be the next NS HL contact [Lu Pellerin](#) and she will assist you in preparing the nomination.

6. Reminder: SEG-AGU Hydrogeophysics Workshop (from Jan van der Kruk)

SEG-AGU Hydrogeophysics Workshop, 8-11 July 2012, Advanced Registration
Deadline: 7 June 2012

Close to 60 contributions will be presented at the SEG-AGU Hydrogeophysics Workshop addressing current hydrogeophysical approaches for determining, predicting, and studying hydrologic properties and processes in both the saturated and unsaturated zones, at scales ranging from centimeters to watersheds. In order to promote discussion, all accepted abstracts will be presented as posters, with a 4 minute oral presentation as an introduction. After viewing of posters, all sessions will reconvene for a panel-led discussion. This workshop will provide a unique possibility for participants to exchange ideas about the advances in their work and discuss their results. The workshop will be limited to 80 participants. [Register](#) today!

We gratefully acknowledge the support of our Sponsors: U.S. National Science Foundation, Geometrics, GeoTomo, Mt. Sopris, Zonge Int'l, Vista Clara, Geotomographie, Sensors & Software, Advanced Geosciences Inc. and Geonics.

Registration Fees: Student registration fee: \$95 for the first 20 students (with preference given to presenters), otherwise \$395. Regular registration fee: \$345 for the first 60 participants (with preference given to presenters), otherwise \$495. Note that the advanced registration deadline is 7 June 2012. Late registration fee is \$595.

The [preliminary program](#) is now online.

For more information, visit the [SEG-AGU 2012 Web site](#).

We are looking forward to seeing you in Boise.

Rosemary Knight, James Irving, Rob Jacob, Lee Liberty, Kamini Singha, and Jan van der Kruk.

7. Announcement: Request for nominations to the Russian River Independent Science Review Panel

The Russian River Independent Science Review Panel (ISRP) will supply scientific leadership for evaluating existing data and identifying needed studies, developing conceptual models for physical and ecological processes, and reviewing water management efforts in the Russian River watershed. The ISRP will consist of an interdisciplinary scientific panel screened to avoid conflicts of interest. Nominations

to the panel will be accepted through 15 June 2012 on the [Russian River ISRP Web site](#).

Candidates can be nominated by others or self nominate. Candidates will be required to complete a conflict of interest review.

Further [Russian River ISRP nomination details](#) are available as well.

8. Open positions:

8.1. Tenure-track Assistant Professor in Shallow Earth Geophysics, University of Hawaii at Manoa

Building upon its strengths in hydrology and geophysics, we invite applicants for this full-time position in Shallow Earth Geophysics. The new hire will have expertise in geophysical field methods as applied to hydrology, hydrogeophysics, geothermal and/or hydrothermal processes. Additional interest in geomorphology, coastal processes, or geologic hazards would be regarded favorably; initiatives in those areas would allow an applicant to further capitalize on opportunities in Hawaii. Areas of expertise could include potential fields, electrical and/or magnetic methods, radar, LiDAR, and seismology. The full range of platform technologies will be considered: land, sea, air, and space-mounted. The new hire will join an entrepreneurial research group with international recognition in geology, geophysics, and geochemistry.

The successful candidate will demonstrate the capability for innovative, high quality research, and for effective teaching and mentoring of undergraduate and graduate students. They are expected to develop and sustain an outstanding research program and contribute to the department's educational mission. Applicants must have a Ph.D. in geology and geophysics or other relevant disciplines received no later than appointment date. Informal inquiries should be directed to the [Geophysics Search Committee Chair](#).

Additional Information:

We encourage applicants who will pursue novel applications to problems in Earth and environmental science, especially those that pertain to Hawaii's unique setting. Many opportunities exist for collaboration in various research fields represented within G&G and in SOEST, including the Hawaii Institute of Geophysics & Planetology and the Dept. of Oceanography, such as hydrology, marine geology and geophysics, geodynamics, sedimentary geology, volcanology, engineering geology, and structural

geology. Additional collaborative opportunities are present with faculty in other units at UH including the Water Resources Research Center, College of Tropical Agriculture and Human Resources, Civil and Environmental Engineering, and Geography Department.

How To Apply

To apply, submit (a) a cover letter, (b) a curriculum vitae which includes a summary of educational background, previous research and teaching experience, and a list of publications and research funding, (c) a statement of current and future research and teaching interests, and (d) the contact information (postal addresses, phone numbers, and email addresses) for at least three references and official transcripts (copies are acceptable with applications, originals are required upon hire).

Applicants are encouraged to include in their research statement, plans for possible collaborative research with G&G, SOEST and other university faculty. The cover letter should be addressed to the Geophysics Search Committee. To view the University of Hawaii job description of the vacancy announcement, please visit (link) WORKATUH.HAWAII.EDU.

Submit application to:

GG Faculty Search

Department of Geology and Geophysics

University of Hawaii at Manoa

1680 East-West RD. POST 701

Honolulu, HI 96822

Email: ggdept@soest.hawaii.edu

Electronic submissions are preferred. Review of applications will begin on 1 June 2012. The University of Hawai'i is an Equal Opportunity/Affirmative Action Institution. We encourage applications from individuals of all backgrounds and perspectives

8.2. Senior Project Geophysicist, Perth, Western Australia

The role of the Senior / Project Geophysicist as a member of the regional exploration team is to assist in identifying Barrick's next significant gold or copper discovery through the application of geophysical methods. As a Geophysicist in the Australia-Asia-Africa exploration team you will ensure activities are conducted in line with Barrick's core values. Through Barrick's global network of geophysicists, you will have access to a wealth of knowledge in geophysical exploration and exposure to leading edge research activities. The role represents an opportunity to make discoveries on world class projects across our regional portfolio with an integrated and diverse team

of geoscientists.

For more details and information about how to apply visit the [Barrick Gold Corporation Web site](#).

8.3. Assistant Director, Geologic Survey and Service Program, Portland, Oregon

The Oregon Department of Geology and Mineral Industries (DOGAMI) is seeking motivated and qualified candidates to fill the position of Principal Executive/Manager E, Assistant Director Program One - Geologic Survey and Services Program. The position is located in Portland and serves as part of the agency's management team and answers directly to the agency Director.

For more information please visit:

[PEM E \(Assistant Director, Geologic Survey & Service Program\)](#)

8.4. Two PhD positions in Hydrogeophysics at Florida Atlantic University

The Department of Geosciences at Florida Atlantic University (FAU) has two openings for doctoral students in the field of Hydrogeophysics. The selected students will participate in research to investigate carbon dynamics in the Everglades using hydrogeophysical techniques. Each position is funded at the research assistantship level for three years and the starting date is August 2012. The successful candidates should ideally hold a MSc degree in geophysics, physics, environmental sciences or related discipline. Experience with hydrogeophysical methods is preferred. The two projects have an important outdoors component, for which fieldwork skills are desirable. The selected students will join the recently opened FAU/USGS/UF joint facility in the Davie Campus of FAU which combines state-of-the-art facilities for Everglades science research to support both laboratory and field-based studies in the Everglades.

Applicants should send a cover letter explaining their fit and motivation for the position, curriculum vitae and the names, telephone numbers, and e-mail addresses of two referees to [Xavier Comas](#). Review of applications will begin 11 June 2012.

To contribute material to the NS-letter send an e-mail to:

[Xavier Comas](#)

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.

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