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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. Nominations for AGU Honors – Deadline Extended to March 31 (from George Tsoflias)

The nomination period for 2013 AGU Fellows, Awards and Medals closes on March 31. Consider nominating a colleague for AGU Honors.

In addition to Fellows, there are 22 Union awards, medals and prizes. Many of our colleagues deserve the recognition but need your nomination. Nominations can be submitted online at the AGU web page. NSFG has formed an Awards Nomination Committee chaired by Past-President Lu Pellerin (pellerin@ak.net), Sarah Kruse (skruse@usf.edu) and Jan van der Kruk (j.van.der.kruk@fz-juelich.de). Please contact me (tsoflias@ku.edu) or the committee members if you have any suggestions or questions.

2. NS Articles in Eos (from George Tsoflias)

Congratulations to Lee Slater and Estella Atekwana for their recent feature article in Eos titled “Geophysical Signatures of Subsurface Microbial Processes” (Vol.94, Issue 8, 77-79). Link to Article

Please join us in congratulating Lee and Estella for helping spread the science of Near Surface Geophysics to the broader AGU community. Eos is a great tool for sharing what we do with the rest of AGU and beyond. We strongly encourage NSFG members to consider submitting articles to showcase their work!

If you have questions or ideas for Eos, please contact Seth Haines (shaines@usgs.gov), the NSFG Eos Representative.

3. Secrets revealed to those who follow NSFG @NS_AGU on Twitter! (from Stephen Moysey)

Last month we launched NSFG on Twitter and posted 41 tweets with subjects ranging from job opportunities to a chance for students to win $3k from NSF! Early Career scientists and students might be interested in checking out tweets for webinars on Preparing for and Managing an Academic Career. Have big ideas that could be right for the NSF INSPIRE program or want the inside scoop on EarthCube? Did you hear that Geology is looking for new co-editors? Need some advice from AGU on liability for field trips?

All this and much more revealed to Twitter followers! Announcements for the newsletter are automatically posted as they come in, but feel free to also pass along other items that you think are of general interest to the NSFG specifically for Tweeting.

To start receiving Tweets from us, just sign up at www.twitter.com and start following @NS_AGU! Please note that only NSFG members that choose to follow @NS_AGU will receive Twitter announcements from the focus group, so make sure that you sign up!
4. Request for members to submit student opportunities to NSFG (from Seth Campbell)

All NSFG members who have available student opportunities (MS, PhD, Post-Doc, summer internships, etc.) please email us the details. We will post the student opportunities on our student website as an effort to line-up talented NSFG students with future opportunities! Please email the details to Seth Campbell at seth.campbell@umit.maine.edu.

Field season is right around the corner, so now is the time to start thinking about lining up some great students!

5. Equipment Available for Donation (from Mike Kendall)

Quantec Geoscience has 4 Scripps L-CHeapo units that they are looking to donate to an academic institution. If interested, contact Mike Kendall (mkendall@quantecgeoscience.com) for information, pictures, etc.
6. UPCOMING MEETINGS AND DEADLINES

6.1 Call for AGU 2013 Session Proposals Now Open (Deadline April 19)

The call for session proposals for the 46th annual Fall Meeting of the AGU is now open. All session proposals must be received by 19 April at 11:59 p.m. EDT/3:59 a.m.+1 GMT. Follow these links for additional information on submission policies and guidelines.

Important dates for the 2013 Fall Meeting:
April 19: Session proposal deadline
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 SEG 2013 Annual Meeting (Houston, Texas)

Paper Deadline: April 3
Meeting Date: Sept. 22-27, 2013
Meeting Website: Call for Papers

The 2013 SEG Annual Meeting will take place from 22-27 September in Houston, TX. The Near Surface Geophysics Section will organize several events in which we hope you will be able to participate. After a few years of absence, the NS luncheon is returning to the program and we will once again have an evening social event. As part of the technical program, Near Surface members will be interested in several oral and poster sessions, including a special session on Hydrogeophysics chaired by Kristina Keating (Rutgers University) and Andrew Parsekian (Stanford University) and the Humanitarian Applications of Geophysics session chaired by Stephen Moysey (Clemson University). A post-convention workshop on Coastal Geophysics will be organized by John Goff of the University of Texas. If you are planning to submit an abstract, please be aware that the submission deadline is early this year, on April 3rd 2013 at 5:00 PM US Central Daylight Time. Follow these links for the abstract kit and instructions for authors. If you have any questions about the program, please contact Remke Van Dam of Michigan State University (rvd@msu.edu).

6.3 SAGEEP 2013 – Online Registration Deadline March 15 (Denver, USA)

Meeting Date: March 17-21, 2013
Link to Meeting Website (http://www.eegs.org/AnnualMeetingSAGEEP/SAGEEP2013.aspx)

Online registration for SAGEEP (Symposium on the Application of Geophysics to Engineering & Environmental Problems) will be available from now until March 15. On-site registration in Denver, Colorado, USA will be available March 17-21. For complete information go to www.EEGS.org (www.EEGS.org)
6.4 Special Session on Near-Surface EM Induction at IAGA (from Mark Everett)

Meeting Location: Merida, Mexico  
Meeting Date: August 26-31, 2013  
Meeting Website: [www.iaga2013.org.mx](http://www.iaga2013.org.mx)

**Session 1.4 – Near surface applications of electromagnetic induction**

Electromagnetic geophysical methods have been applied in mapping the electrical conductivity structure of the ground, particularly for near surface investigations. Examples include contaminated unconfined aquifers associated with landfills, landslides, seawater intrusion in coastal areas, the detection of cavities, and the detection of sinkholes, caves in karstic areas, mineral exploration as well as archaeological studies. With the development of new technologies, new instruments, and improved data-processing, electromagnetic methods are able to image shallow structures with applications to many environmental and near surface problems. We would like to invite contributions related to the issues mentioned above, including case studies, the development of novel applications of electromagnetic methods, and the joint inversion of electromagnetic data with other geophysical datasets.

**Convener:** Gad El-Qady  
gadosan@nriag.sci.eg, gadosan@yahoo.com, National Research Institute of Astronomy and Geophysics (NRIAG), P. O. Box: 227, Helwan, 11722, Cairo, Egypt

**Co-Convener:** Mark Everett, mark.e.everett@gmail.com, Department of Geology and Geophysics, MS 3115, Texas A&M University, College Station, Texas 77843-3115

**Important Dates:**
- March 31, 2013. Grant application deadline --> abstract submission required!!!
- April 30, 2013. Decision about grants.
- May 31, 2013. Reduced rate registration.

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6.5 Cutting Edge Workshops (Application Deadline: March 8)

The workshops below are an excellent opportunity for students interested in academia and early career faculty to get a quick start in their careers. These workshops are highly recommended!

**PREPARING FOR AN ACADEMIC CAREER IN THE GEOSCIENCES**

**Who should attend:** Grad Students and Post-docs  
**Application deadline: March 8, 2013**

July 7-10, 2013 - University of Colorado, Boulder, CO  
Conveners: Heather Macdonald, David Budd, and Rachel O'Brien  
[Workshop Website](#)

**EARLY CAREER GEOSCIENCE FACULTY:**

**TEACHING, RESEARCH, AND MANAGING YOUR CAREER**

**Who should attend:** Pre-tenure Faculty  
**Application deadline: March 8, 2013**

July 28-August 1, 2013, with an optional visit to NSF August 2 – AGU Headquarters, Washington DC  
Conveners: Rachel Beane, Michael Wysession, and Richard Yuretich  
[Workshop Website](#) and [Application Form](#)
Early Career Workshop Goals:
- Learn about setting course goals, strategies for active learning, and methods for assessment.
- Share ideas and strategies for teaching courses.
- Consider successful strategies for maintaining an active research program and advising/supervising undergraduate and/or graduate research students.
- Discuss life as an early-career faculty member and explore ways to balance teaching, research, and service responsibilities.
- Leave with examples of assignments and activities for various courses, strategies for balancing competing demands, a support network of other early career faculty, and a plan for managing your early career as an academic.

The workshop program from last year (Summer 2012) will give you a sense of the workshop content and structure.

This workshop is offered by On the Cutting Edge, professional development for current and future geoscience faculty. We also offer online resources for early career faculty

6.6 STUDENTS: SAGE Applications Open - Deadline March 29

Program Date: June 17 – July 11
Application Deadline: March 29
Website: http://www.sage.lanl.gov/

(more details on next page!)
Summer of Applied Geophysical Experience (SAGE) 2013 – Our 31st Year!

SAGE is a 3-4 week research and education program in exploration geophysics for graduate and undergraduate students and working professionals, based in Santa Fe, New Mexico, U.S.A.

SAGE students, faculty, teaching assistants and visiting scientists acquire, process and interpret reflection/refraction seismic, magnetotelluric (MT)/electromagnetic (EM), ground penetrating radar (GPR), gravity and magnetic data at a shallow archeological site and at the sedimentary basin scale in the Rio Grande rift. SAGE 2013 will also emphasize a limited geothermal study in the rift. The Institute of Geophysics and Planetary Physics (IGPP) at the Los Alamos National Laboratory is sponsoring SAGE for its 31st year. The core program (all students) will be held Thursday, June 20 (arrival on Wednesday, June 19), through Thursday, July 11. The fee is $500 (room and meals provided), of which $100 is due with the application. International applicants: please e-mail georgia@lanl.gov for payment instructions.

Continued support from the U.S. National Science Foundation (NSF) Research Experience for Undergraduates (REU) program will allow us to extend SAGE extra days for undergraduate students who are U.S. citizens or permanent residents (PR). For students qualifying as U.S./PR undergraduates (REUs), SAGE will begin on Monday, June 17 (arrival on Sunday, June 16). For these students, stipend and travel support will be automatic if accepted, and the $500 fee will be waived. Room and meals are provided by the program. Non-REU students will be able to depart from SAGE after 1:00 p.m. on Thursday, July 11. For REU students, SAGE will extend through evening dinner on Thursday, July 11 and departure will be by Noon on Friday, July 12.

Students should have a quantitative background and some introduction to geophysics, though they need not be geophysics majors. We particularly welcome math/physics majors and other students considering careers in geophysics. As an example, students should have successfully completed a minimum of one year (two semesters or three quarters) of physics (through electricity & magnetism) and a minimum of three semesters of calculus (four preferred). Structural geology and/or introductory geophysics are recommended but not required.

Applications are encouraged from qualified:
1) Potential REU students who are U.S. citizens or permanent residents who will have completed their junior year and the requisite physics and math before SAGE, 2) U.S. graduate students in all stages of their careers, and 3) International students and professionals.

Please note that the application deadline for SAGE 2013 is 5:00 p.m. MDT on Friday, March 29. Applications will be evaluated during the following week. We require a letter of interest, two references, proof of medical insurance, and complete transcripts documenting the required courses (unofficial copies are acceptable). See the SAGE web site for application and reference forms, and more detailed information.

If you have questions or need more information, please call the IGPP office at (505) 665-5291 or e-mail Georgia Sanchez georgia@lanl.gov. For further details and description of the program, please refer to http://www.sage.lanl.gov.
7. Position Announcements

7.1 Post-Doctoral Fellowship and PhD Studentship in Carbon Sequestration Research at the Dublin Institute for Advanced Studies

The Dublin Institute for Advanced Studies invites applications for a 2-year Post-Doctoral Fellowship and a 4-year PhD studentship to undertake carbon sequestration research within an exciting, new research initiative – IRECCSEM. IRECCSEM aims to develop, through innovative research, an understanding of Ireland's (all-island) carbon sequestration potential through integrated modelling of new and existing geophysical and geological data, supported by the development of new multivariate modelling and inversion software tools. The research will be spearheaded by electromagnetic methods, principally magnetotellurics.

For the Fellowship we are seeking geophysicists experienced in either (i) magnetotellurics or (ii) carbon sequestration research, and preferably both, with skills in one or more of the following areas: multivariate data analysis; numerical and inverse code development; investigation and modelling of geophysical and petrophysical relationships (particularly porosity/permeability); geophysical data modelling. Extensive software programming knowledge and experience essential.

For the studentship, we are seeking highly motivated, numerate candidates with excellent academic records (minimum ECTS B grade, Upper-second) from a wide range of backgrounds (geophysics, geology, physics, applied mathematics and computational sciences). Experience in one or more of the following areas would be advantageous: geophysical data modelling (particularly magnetotellurics and controlled source EM), multivariate data analysis, and development of numerical inversion codes. Previous experience in carbon sequestration research, although beneficial, is not essential. Proficiency in English is required. DIAS uses the same minimum criteria as UCD, which can be found online.

Both posts require participation in IRECCSEM’s extensive field data acquisition programme over two Summers and provide for international travel to major conferences and broad scientific collaboration.

The nominal start dates for the positions are September 1st 2013 for the student, and April 1st 2014 for the Fellow, but these are negotiable.

Application Process:
Email the following information to geosecretary@cp.dias.ie:

1. cover letter outlining your interest in the project (for PDF, highlight relevant experience and accomplishments),
2. complete CV (with copies of publications or manuscripts submitted),
3. academic transcripts,
4. contact details of minimum three referees, and
5. for PhD non-English first language applicants only, certification of English language proficiency, with IRECCSEM-PDF or IRECCSEM-PhD in the subject line as appropriate.

The Fellowship will be paid on a two year, fixed-term contract starting at €33,975 plus benefits, with an annual increment. The studentship comes with a tax-free stipend of €18,000 plus fees for four years.

Applications received by 15 April 2013 will be considered first; the positions will remain open until filled. For greater details and more information, please view initially the IRECCSEM web site, and then contact Professor Alan G. Jones (alan@cp.dias.ie).
7.2 Senior-level Geophysicist at Alaska Airborne Geophysical/Geological Mineral Inventory

**SENIOR-LEVEL GEOPHYSICIST POSITION**

The Alaska Division of Geological & Geophysical Surveys (DGGS) is seeking a senior-level geophysicist to support the division’s Strategic & Critical Minerals project, which is part of the Alaska Airborne Geophysical/Geological Mineral Inventory (AGGMI) program. The successful applicant will use advanced principles and knowledge of geophysics to provide professional scientific and operational management of multiple, applied airborne geophysical surveys, including magnetic, electromagnetic, and radiometric data acquisition, in support of statewide resource development and infrastructure-hazards assessment. The successful applicant will work independently and collaboratively in all aspects of project work, including participating in initial project concept development, writing and managing the components of geophysical survey contracts, quality checking the data and working with contractors to ensure contract compliance, and preparing digital data sets, documentation, and reports for publication. This position is located in Fairbanks, Alaska. This long-term, non-permanent position is expected to last at least one year, with the likelihood of an extension as funding allows. **Recruitment ends March 15, 2013**, but may be extended if needed.

Application must be made on-line, on the Workplace Alaska website (http://notes4.state.ak.us/wa/postapps.nsf/997aaee09c093ddd8925643e0063742b/2d59ad2c77c96a8b89257b1200834c5d?OpenDocument&Highlight=0,geologist), or by calling 1-800-587-0430 or 1-907-465-4095 for a hard copy application. The hard copy application must be submitted to the Department of Administration, Division of Personnel, PO Box 110201, Juneau, AK 99811-0201. Fax: 1-907-465-2576. The State of Alaska is an EEO/ADA employer. Individuals requiring accommodations should call 1-800-587-0430 or 465-4095 in Juneau or (907) 465-3412 (TTY) or correspond with the Division of Personnel at the address above. The State of Alaska does not sponsor work VISAs for non-U.S. citizens; non-U.S. citizens must have a valid work VISA by the time the recruitment period closes in order to be considered.

[Weblink to full job posting.]
TO CONTRIBUTE MATERIAL TO THE NS-NEWSLETTER SEND AN E-MAIL TO:
Stephen Moysey (smoysey@clemson.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 YOU 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!