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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 August 2012:

Primary affiliation: 793 members; Secondary: 2881 members

1. AGU Fall Meeting 2012 News:

1. 1. Call for abstracts: deadline 8 August 2012

Visit the [AGU Fall Meeting 2012 Web site](#) for information on deadlines, schedules, guidelines, registration information and more!

Come to the American Geophysical Union's 45th annual Fall Meeting! Join more than 20,000 Earth and space scientists, educators, students, and other leaders in San Francisco, California 3–7 December as they gather to present groundbreaking research and connect with colleagues.

The call for Fall Meeting abstracts is now open. All abstracts must be received by Wednesday, 8 August

23:59ET/3:59+1 GMT.

Prior to submitting an abstract, please review the full set of abstract submission [policies](#). All abstract submissions can be searched and viewed [here](#). The scientific program for the 2012 Fall Meeting will be finalized and available at the end of September.

1.2. Near Surface Geophysics sessions

NS001: Near Surface Geophysics General Contributions

Conveners: [Chester J Weiss](#)

Description: This session provides the opportunity for contributions that fall within the broad spectrum of Near Surface Geophysics, but are not directly appropriate to any of the other sessions proposed for the focus group.

NS002: Advances in Airborne Electromagnetics

Conveners: [Bruce D Smith](#), U.S. Geological Survey; [Jared D Abraham](#), U.S. Geological Survey; [Paul A Bedrosian](#), U.S. Geological Survey; [Esben Auken](#), Aarhus University

Description: Applications of airborne electromagnetic (AEM) methods have broadened from mineral exploration to mapping geologic and hydrologic frameworks, evaluation of natural hazards, land use planning in agricultural development and assessment of relationships between the earth's subsurface and surface ecosystems from arctic to tropical settings. We invite presentations that describe advances in AEM which have extended applications resulting from improvements in measurement systems, data processing, and data inversion or modeling. This session is a collaboration between the Near Surface Focus Group and the Environmental and Engineering Geophysical Society.

NS003: Applied Geophysics in the Global Marketplace

Conveners: [Louise Pellerin](#), Green Engineering, Inc.; [Jerry McJunkin](#), Heritage Group Inc.

Description: We seek papers devoted to the extension of our understanding of who has needs for applied geophysics, what levels of education are required, what geophysical techniques are being used, what novel approaches are being applied, and what new technologies are around the corner or on the leading edge. In addition to the science and technology is the human story; what can be done, and is done, is dependent on the local infrastructure, politics, and ambitions of those applying these skills under conditions likely unknown to many. Students and professors can gain new understandings regarding what is the market demand for applied geophysics globally, where they fit in, what applications are of interest, what skills are needed, and where.

NS004: Developments and Practical Applications of the Multichannel Seismic-Data Surface-Wave Analysis Method

Conveners: [Richard D Miller](#), University of Kansas; [Georgios P Tsoflias](#), University of Kansas; [Julian Ivanov](#), University of Kansas

Description: This session will focus on recent developments and practical applications of the multichannel analysis of surface waves using both active and passive seismic sources for the purposes of 1-D, 2-D, and 3-D shear-wave velocity (V_s) profile estimations. Possible topics can include numerical developments in optimal field-parameter estimations, dispersion-curve imaging and modeling techniques, multi-mode interpretation and inversion, sensitivity analysis. Case studies with practical applications of the surface wave method alone or in joint inversion/analysis with other geophysical methods are welcome. This session is a collaboration with the near surface section of SEG.

NS005: Exploring the High-Resolution Record of Surface Processes in Near- and Inshore Water Bodies

Conveners: [Nicolas Waldmann](#), University of Haifa; [Mark E Vardy](#), University of Southampton, National Oceanography Centre

Description: Marine and continental archives often present an excellent high-resolution record of recent (Holocene and Last Glacial) regional changes in climate, tectonic and surface processes. Litho- and biostratigraphies from cores and in situ geotechnical data from cone-penetrometer profiles, complemented by structural mapping using swath bathymetry, side-scan sonar and subsurface high-resolution seismic reflection imaging, are key techniques to explore these settings. In this session, we seek to showcase case studies using these and similar methods to the sedimentary succession of near-/inshore water bodies. In particular, we

encourage contributions from authors who have taken a multi-disciplinary approach.

NS006: Geophysical Imaging of Fractures and Fluid Flow: Advancing from Detection to Measurement

Conveners: [Georgios P Tsoflias](#), University of Kansas; [Matthew W Becker](#), Cal State Long Beach

Description: While significant advances have been made in the geophysical detection of fractures, quantitative measurement of fracture properties that control the flow of fluids, as well as monitoring of flow and transport, remains elusive. This session will present the latest developments in the remote characterization of fracture properties. We encourage theoretical and experimental contributions at laboratory and field scales using surface and borehole geophysical methods. We seek contributions from varied backgrounds, e.g. groundwater, geothermal, CO₂ sequestration, and hydrocarbon resources that highlight recent advances and future directions in fracture characterization and monitoring of flow and transport.

NS007: Geophysical Methods for Groundwater Evaluation and Management

Conveners: [Rosemary J Knight](#), Stanford Univ; [John W Lane](#), United States Geological Survey

Description: Effective, sustainable management of groundwater resources requires accurate knowledge of groundwater recharge, storage, and withdrawal. In this session we focus on the application of geophysical methods using subsurface, surface, airborne, or satellite sensors to quantify subsurface properties and processes. Of interest are examples related to all aspects of groundwater management including, but not limited to, development of hydrostratigraphic models, assessment of aquifer properties, evaluation of groundwater quantity and quality, monitoring of natural/managed processes. All approaches are of interest including laboratory and field experiments, theoretical and numerical modeling.

NS008: Joint Inversions and Other Strategies to Integrate Multi-Disciplinary Geophysical Data

Conveners: [Max Moorkamp](#), University of Leicester; [Peter G Lelievre](#), Memorial University; [Bjvrn Heincke](#), GEOMAR

Description: Combination of complimentary data sets typically reduces the ambiguity of inversion results and facilitates interpretation. Hence, integration of multi-disciplinary data has become popular in many disciplines like hydrogeophysics, mineral exploration, sub-basalt/sub-salt problems and studies of the deep crust and mantle. Still, many questions remain: Which types of data should be inverted together? How to balance their influence in the inversion? How can we assess the differences between joint inversion, cooperative inversion and other integrated interpretation strategies? This session welcomes any research using joint inversion or other approaches to combine different types of geophysical data.

NS009: Shallow Seismology of the Vadose-Saturated Zone

Conveners: [Juan Manuel Lorenzo](#), Louisiana State Univ; [John W Lane](#), United States Geological Survey

Description: Unsaturated soils can be highly heterogeneous, non-elastic, dispersive and anisotropic so that usable predictive models are heuristic, and only narrowly suited to specific field sites. Under field conditions low seismic bandwidth may deter model testing. However, observable attenuation, V_p/V_s ratios, are often used to determine the influence of fluids on soil conditions. We welcome submissions to this session that provide new theoretical and computational frameworks for granular unsaturated media from the broad community, novel approaches in the laboratory and/or experimental results that exploit both passive and controlled source seismic methods to yield better predictive models for seismic velocity from fluids in the shallow subsurface.

1.3. Hydrogeophysics sessions

H029: A Vision for the Future: Exploring the Value of Geophysics in Hydrology

Conveners: Kamini Singha, Stephen M Moysey, Niklas Linde; Penn State University, Clemson University, University of Lausanne

Description: Important theoretical, computational, and technological advances have occurred in hydrogeophysics over the past two decades; however, hydrologic prediction remains a difficult problem due to spatial heterogeneity, temporal variability, and feedbacks between physical, chemical and biological processes occurring over multiple scales. We invite visionary perspectives, insightful retrospectives, or broadly applicable discussions that illuminate outstanding hydrologic problems and promising geophysical methodologies. All areas of research are welcomed, including watershed hydrology, subsurface hydrology, and biogeochemistry.

H030: Hydrogeophysics: Lab to Field Scale Characterization

Conveners: Steven Meyerhoff, Joseph Doetsch, Andrew Parsekian; Colorado School of Mines; Berkeley Labs; Stanford University.

Description: Subsurface characterization of hydrological parameters is traditionally based on core analysis and well test data gathered from subsurface locations. Without complementary data, traditional hydrologic measurement techniques are often inadequate for characterizing heterogeneity. Additional information to adequately characterize subsurface heterogeneity can potentially be gained through geophysics. In view of this, we encourage contributions that cover all hydrogeophysical investigations. Topics might include: characterization of hydraulic properties and processes, contaminant migration, geomechanical nature of aquifer materials, relevant biological and geochemical properties and processes, and uncertainty assessment.

1.4. Other sessions

H050: Geophysics for the Critical Zone

Conveners: Peter Dietrich, Barry Jay Allred, Ulrike Werban, Steffen Zacharias; Helmholtz Centre for Environmental Research - UFZ, USDA/ARS Soil Drainage Research Unit, Helmholtz Centre for Environmental Research -UFZ, Helmholtz Centre for Environmental Research - UFZ

Description: We will address the state of the art of geophysical techniques applied for mapping and monitoring of the pedosphere and unsaturated vadose zone. There is particular interest in the use of proximal sensing technologies for prediction of soil properties and observation of dynamic processes within the unsaturated zone. Geophysical techniques are widely used in Digital Soil Mapping. Furthermore, in the context of environmental modelling, there is a growing demand to provide multi-scale information. However, results are often limited to qualitative information and results are ambiguous. Reliable quantification is a major challenge. A promising approach is multi sensor mapping combining, e.g EMI, ERT, GPR, passive gamma radiometry, TDR, cosmic ray probes etc.

H023: Remote Sensing, Modeling, and Ground-based Monitoring of Groundwater Resources

Conveners: Bridget Scanlon, Univ Texas Austin; Richard Taylor; Laurent Longuevergne, CNRS - Geosciences Rennes; Jessica Reeves, Stanford University.

Description: Increasing reliance on groundwater underscores the importance of monitoring changes in fluxes to and from aquifers and storage in aquifers. This session seeks papers on studies using satellite and airborne approaches for monitoring storage changes (GRACE) and fluxes (ET, recharge, discharge e.g. using MODIS and Landsat) and land subsidence (e.g. using InSAR), mostly in response to climate extremes (floods and droughts) and water use (e.g. irrigation). Studies that ground reference satellite and airborne data with in situ monitoring are strongly encouraged. Studies using multiple satellites and monitoring data for model calibration/assimilation to better solve mass balance and aquifer behavior are welcome.

Co-sponsors: Geodesy (G); Global Environmental Change (GC); Near SURface Geophysics (NS); Societal Impacts and Policy Sciences (SI).

A complete list of NS co-sponsored sessions can be found on the [2012 Fall Meeting Web site](#) by selecting Near Surface Geophysics as a co-sponsor under the general search tab.

2. Announcement: AGU Elections this Fall: Your vote is important (from George Tsofilias)

Colleagues and friends: AGU elections for the 2013-2014 term will take place next month (4 September to 4 October 2012). This election is especially important for the Near Surface Focus Group since it is the first time we will be electing officers for the positions of President-Elect and Secretary. Electing officers gives the focus group representation in the AGU Council and the ability to serve the NS community and AGU better. All current regular and student AGU members will be able to vote electronically. AGU 2012 election information is available on the [AGU Web site](#).

3. Announcement: SEG-AGU Joint Workshop, 6–8 January 2013, Boise State University (from John Bradford)

SEG-AGU Joint Workshop "Cryosphere Geophysics: Understanding a Changing Climate with Subsurface Imaging"

6–8 January 2013, Boise State University, Boise, Idaho, U.S.A.

Abstract submission deadline: 20 September 2012

The earth's cold regions present perhaps the most diverse set of geophysical problems of any earth system. We must understand the influence of water in all its phases on the dynamics and thermodynamics of snow, ice and frozen soil masses whose geophysical properties can change dramatically on time scales from hours to millennia. This workshop will exchange concepts and ideas on the development and application of geophysical exploration methods to problems in the changing Cryosphere relating to snow, sea ice, permafrost, glaciers and ice sheets. We will focus mainly on how various methods of subsurface imaging can help monitor changes in the Cryosphere and thus elucidate the consequences of a changing climate. These changes may include the mass balance of ice sheets and glaciers, active layer depth and extent, the state and depth of terrestrial and offshore permafrost, and the mass budget and state of sea ice and the seasonal snow cover. The workshop will also highlight advances in geophysical methods, especially as may be relevant to resource development, environmental hazard monitoring and assessment, and bridging the gap between development and practical application of geophysical technology.

We invite papers that investigate all aspects of cold regions subsurface imaging and extraction of in situ petrophysical properties. Contributions may include:

1. Case histories of the use of seismic, electrical and electromagnetic, gravity, and magnetic methods in the Cryosphere.
2. Applications of remote sensing methods to aid interpretation of subsurface images, such as airborne and satellite observations.
3. Advances in established methods and new approaches for subsurface imaging.
4. Advances in established methods and new approaches for estimation of material properties from subsurface images as well as from in situ and ground truth petrophysical data sets.
5. Operational advances in extreme environments and over more challenging temporal and spatial resolutions and scales.

For more information visit the [SEG-AGU 2013 Web site](#).

The organizing committee John Bradford, Chairman (Boise State University), Steven Arcone (Cold Regions Research and Engineering Lab), Hajo Eicken (University of Alaska Fairbanks), Hans-Peter Marshall (Boise State University).

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. The deadline for all session proposals is Monday, 11 September 2012. Proposals will be reviewed by the Technical Program Committee on a rolling basis. A current list of accepted sessions will be maintained at the SAGEEP 2013 webpage at www.eegs.org. Each session will have at least two co-chairs. If you are interested in co-chairing an existing session, please contact the session proposer or a member of the technical program committee. Call for abstracts and expanded abstracts will be announced shortly. The number of sessions at the meeting is limited so early submission of proposals is encouraged and will allow ample time for solicitation of presentations.

[Mike Powers](#) is general chair and [Bruce Smith](#) is technical chair for the meeting which will be at the Denver Marriott at the Tech Center (a short ride on the light rail south of Down Town Denver).

Members of the AGU NSFG are invited to submit proposals for joint NSFG/EEGS sessions. [Juan Lorenzo](#) has joined the technical session committee and will assist in organization and development of NSFG oriented sessions. Joint sessions at SAGEEP 2012 last year on Nuclear Magnetic Resonance and Characterization of Fractured Rock Aquifers were well attended. NSFG/AGU members submitting session proposals for 2013 are asked to identify the submission as a joint session. SAGEEP 2013 session proposals can be submitted via the [EEGS Web site](#).

5. Open positions:

5.1. Postdoctoral position available in near-surface geophysics at the University of Wyoming

The Department of Geology and Geophysics at the University of Wyoming invites applications for a Postdoctoral Research Associate in geophysics, to begin as early as September 2012. The successful candidate will participate in analysis of either near-surface geophysical data for Critical Zone studies, and/or marine seismic reflection and refraction data, with special emphasis on seismic oceanography.

We seek candidates with knowledge of, and research experience in, processing, modeling, and interpretation of any of the following data types: multichannel seismic reflection, seismic refraction, electrical resistivity, electromagnetic, and ground-penetrating radar. An earned Ph.D. in geophysics or a closely related field is required at the time of appointment. Applicants should possess a demonstrated record of publication in the peer-reviewed literature, a willingness to participate in field programs, both at sea and on land, and familiarity with advanced imaging techniques. The successful candidate will join a vibrant research group possessing up-to-date computational and data analysis facilities.

The term of the position is two years, with potential reappointment for a third year. Applications, including a curriculum vitae, list of publications, statement of research interests, and names, addresses, phone numbers, and e-mail addresses of three references, should be sent to Dr. [W. Steven Holbrook](#) by email. The position number on the University of Wyoming website is #4022. Review of applications will begin on 1 August 2012, and continue until the position is filled. The University of Wyoming is committed to diversity and endorses principles of affirmative action. We acknowledge that diversity enriches and sustains our scholarship and promotes equal access to our educational mission. We seek and welcome applications from individuals of all backgrounds, experiences, and perspectives

5.2. Postdoctoral researcher in electrical geophysics, Rutgers University, Newark

The Near Surface Geophysics group at Rutgers University (Newark, NJ) seeks a postdoctoral scientist to work on both laboratory and field -based projects directed towards improving understanding of the electrical geophysical signatures associated with hydrogeological and biogeochemical processes in the subsurface. Our work is interdisciplinary so applicants that have experience in geophysics, geochemistry and/or microbiology are preferred. We seek a motivated individual to take the lead on 2-3 existing projects in our group that best match the applicant's interests and skillsets. Opportunities exist to work on a variety of projects including (1) biogeophysical signatures of crude oil degradation in the subsurface, (2) geophysical characterization/monitoring in fractured rock environments, and (3) development of laboratory and borehole geophysical instrumentation for near surface hydrogeophysical and biogeophysical applications. The initial appointment is for 1 year but extendable subject to availability of funds. Statements of interest should be sent to [Lee Slater](#) and [Dimitrios Ntarlagiannis](#).

5.3. Postdoctoral position and graduate student opportunities, Colorado School of Mines

Postdoctoral Fellowship in Geophysics applied to civil engineering and geomechanics. Passive & Active Seismic, Electrical Methods, Experiments, Inversion.

We are currently accepting applications for a Post-Doctoral Fellowship in geophysics applied to problems in civil engineering and geoconstruction. The 2-year Fellowship will begin in Fall 2012 or January 2013. Through collaboration between the Department of Civil & Environmental Engineering and the Department of Geophysics at Colorado School of Mines, we are pursuing research in the following areas: (1) passive seismic while tunneling and tunnel geoelectrics; (2) monitoring of ground improvement; and (3) health monitoring of earth dams and levees. In each of these topics, our research team seeks to advance the use of seismic techniques (active and passive) and electrical methods (resistivity and induced polarization), as well as their combination, to characterize soil, rock and hydrogeological conditions on a scale of 10s to 100s of meters with a desired imaging resolution of 0.1 to 1.0 m.

The Post-Doctoral Fellow will conduct lab and field experiments, perform data analysis, and pursue forward modeling and inverse analysis. The successful candidate should have experience with experimental implementation of geophysical methods. She/he should also have leadership and teamwork skills. The Fellow will work within a team of civil engineering and geophysics faculty, students and other post-doctoral fellows. To discuss the position further, please contact [Roel Snieder](mailto:roel@mines.edu) (303.273.3456) or [André Revil](mailto:arevil@mines.edu) (303.273.3512) in Geophysics, or [Mike Mooney](mailto:mooney@mines.edu) (303.384.2498) in Civil Engineering. To be considered for this position, please send a detailed CV, a cover letter detailing your research experience, and contact information for three professional references to Professor [Mike Mooney](mailto:mooney@mines.edu). Review of applications will begin 15 August 2012.

PhD Fellowship:

We are currently accepting applications for NSF Ph.D. Fellowships beginning Spring 2013 or later in the area of geophysics applied to problems in civil/geotechnical engineering within the SmartGeo program at Colorado School of Mines. Ph.D. Fellowships are multi-year and include a \$30,000 annual stipend and fully paid tuition, fees and health insurance. Ph.D. Fellows also receive funding for professional travel as well as educational/research materials and supplies. SmartGeo is a unique interdisciplinary graduate research and education program designed to prepare a new generation of leaders in the development of intelligent geosystems - engineered geosystems enabled to sense their environment and adapt to improve their performance. We are pursuing geophysics research in the following areas: (1) passive seismic while tunneling and tunnel geoelectrics; (2) monitoring of ground improvement; and (3) health monitoring of earth dams and levees. In each of these topics, our research seeks to advance the use of seismic techniques (active and passive) and electrical methods (resistivity and induced polarization), as well as their combination, to characterize soil, rock and hydrogeological conditions on a scale of 10s to 100s of meters with a desired imaging resolution of 0.1 to 1.0 m.

Visit the SmartGeo Web site <http://smartgeo.mines.edu> to learn more. To discuss opportunities, contact Roel Snieder (303.273.3456 rsnieder@mines.edu) or André Revil (303.273.3512 arevil@mines.edu) in Geophysics, or Mike Mooney (303.384.2498 mooney@mines.edu) in Civil Engineering.

5.4. Student opportunities at University of Western Australia

Airborne exploration is using new advanced technology to improve sensitivity, reduce vibration and detect deeper minerals. We are looking for hands-on undergrads and PhD students who are interested in exploration technology, finite element modelling, and low noise electronic designs to participate in a University-Industry collaboration project.

We offer two new projects:

1. Developing patented prototype vibration isolators for airborne electromagnetic mineral exploration to

- create working models, undertake field trials, and interpret data.
2. Modelling of signals from deep earth minerals and aquifers to better understand the advantages of the newly improved electromagnetic sensors.

Applicants should have excellent academic records and preferably at least one internationally peer reviewed paper. Students without Australian residency are required to pay international student fees unless they can win a highly competitive IPRS scholarship.

Contact: [David Blair](#)

5.5. Student opportunities at the Norwegian University of Science and Technology

Applications are invited for a PhD research fellowship at the Department of Mathematical sciences, Norwegian University of Science and Technology (NTNU) in Trondheim, Norway.

The research will be carried out in collaboration with Electromagnetic Geoservices (EMGS). The topic of the PhD project is the development of numerical methods to efficiently solve the inverse problem for 3D controlled-source electromagnetic (CSEM) data.

The closing date to apply is 17 August 2012.

For more information, please visit the [NTNU job list page](#).

5.6. Research Scientist Positions in Mineral Exploration: Integrated Ore System Footprints

A consortium of Canadian Universities in partnership with the Canadian Mining Innovation Council is seeking four research scientists to play a leadership role in coordinating multidisciplinary research to characterize the "footprints" of ore-systems and establish exploration vectors of Canada's most important mineral deposits. The goal is to develop state-of-the-art integrated exploration strategies that are applicable over a range of deposit types. The first phase of the research project will involve building a "footprint" matrix of geological, lithochemical, mineralogical, surficial, petrophysical, and geophysical data of the world-class Canadian Malartic gold mine near Val d'Or, Québec; the McArthur River-Millennium uranium trend in northern Saskatchewan; and the Highland Valley porphyry copper-molybdenum system near Kamloops, British Columbia. The researchers will be affiliated with and paid by universities (Gold position at University of Western Ontario or Queen's University, Uranium position at University of Saskatchewan, Copper position at University of British Columbia, and Geophysical position at Laurentian University), but will spend considerable amounts of time with the mineral exploration companies, at the mine sites, and at MIRA Geoscience in Montréal. The researchers will interact with geoscientists from 20 universities, 20 mineral exploration and service companies, Geological Survey of Canada (TGI-4, GSC-Victoria), Géologie Québec, Geological Survey of Saskatchewan, and Geoscience BC. This is a unique opportunity to become involved in the largest collaboration between the mineral exploration industry and academic-government researchers ever developed in Canada.

All applicants must hold PhD degrees, have excellent oral and written communication skills, and be able to work effectively in and between academic and industry environments. Levels of appointment (Post-Doctoral Fellow vs. Research Associate) and salaries (\$60-100k including benefits) will be commensurate with experience. The Gold Research Scientist must have appropriate experience in geology, structural geology, and geochemistry applicable to lode Au systems; the Uranium Research Scientist must have appropriate experience in geology, structural geology, and geochemistry applicable to basinal U systems; the Copper Research Scientist must have appropriate experience in geology and geochemistry applicable to porphyry Cu systems;

and the Geophysical Research Scientist must have appropriate experience in geological/geophysical data processing methods, ideally with experience in EM and electrical methods. The successful applicants will be responsible for the initial data compilation at each site, will co-ordinate day-to-day research activities of PhD and MSc students, and will participate in site meetings, annual field workshops, and annual general meetings. Experience with mineral deposits is desirable and candidates will ideally have some knowledge of exploration methods. In the case of the Gold position, which will be based in Val d'Or-Malartic and where most of the company reports are written in French, an ability to read and speak French is an asset. Applications will be based on merit and applications will be accepted from all qualified candidates, but in accordance with Canadian immigration requirements, preference in the first instance will be given to Canadian citizens and permanent residents. Initial screening of applications will begin in September 2012, but applications will be accepted until the positions are filled.

Applications, including cover letter, CV, and the names and e-mail addresses of 3 academic references, should be sent to Prof. Michael Leshner mlesher@laurentian.ca or Prof. Mark Hannington mark.hannington@uottawa.ca (Project Directors). Questions about the subproject research plans and skill sets required for each position should be directed to Prof. [Robert Linnen](#) (Au Site Leader), Dr. [Kevin Ansdell](#) (U Site Leader), Dr. [Craig Hart](#) (Cu-Mo Site Leader), and Prof. [Richard Smith](#) (Geophysics Leader). More information can be found on the [CMIC Web site](#).

Laurentian University, Queen's University, University of British Columbia, University of Saskatchewan, and University of Western Ontario are equal-opportunity employers committed to equity in employment and encourage applications from women, aboriginal peoples, members of visible minorities, and persons with disabilities. Members of Designated Groups are encouraged to self-identify on their applications.

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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