Letter from the Chair

Dear SEG Near Surface Technical Section Members,

This is my first letter as the incoming Chair and I would first like to use it to pass around some well-deserved recognition and appreciation. First, a special thanks for their time and service to outgoing executive committee members John Lane (Past-Chair) and Dylan Mikesell (Secretary). We welcome our new executive committee members Mike Powers (Chair-Elect) and Dale Rucker (Secretary) and look forward to working with them this year. Rounding out the rest of the executive committee are Phil Sirles (Past-Chair), Kristina Keating (Vice Chair), Seth Haines (Finance), and Anja Klotzsche (Publications)—thank you for your ongoing commitment. And last, but certainly not least, thanks to Laurie Whitesell, our NS Program Manager, for all of her efforts and being the glue that keeps it all together.

The NSTS had a great turnout at the Annual Meeting this year, including eight technical sessions. Congratulations to our award winners: Susan Hubbard (Harold Mooney Award), Brady Flinchum (Near Surface Research Award), and Eotvos University for the best student chapter article. We had nearly 130 attendees at the NSTS evening reception—despite the turndown in the oil and gas industry, near-surface participation has continued to grow each year. Thank you to all who volunteered to review abstracts or serve as session chairs—we could not do it without your help!

We have several initiatives coming up this year that you may see emails asking for participation in.

1) SEG Near Surface Technical Section (NSTS) Strategic Planning Subcommittee:
The SEG as a whole has implemented a new strategic plan that emphasizes growth and technical contributions related to groundwater management, engineering, sustainability, and humanitarian applications. Now is a good time to revisit our short- and long-term goals as a Technical Section to support the SEG strategy and grow the near-surface presence.

2) 2018 Anaheim Annual Meeting Planning Subcommittee:
The 2018 SEG Annual Meeting will be held in Anaheim, California, allowing more exposure to water management, environmental regulation, and engineering sectors than many of the traditional Annual Meeting sites. Being ahead of the planning curve, we have the opportunity to maximize NS exposure through multiple potential avenues (continuing education courses, post-conference workshops, themed sessions, etc.). Ideas and input are welcome and encouraged.

3) SEG Near Surface Core Competency Subcommittee:
SEG has rolled out a new Competency Management System (http://seg.org/Competency-Management). From SEG's website, “This system, available free of charge to SEG members, provides an easy way for you to assess your current capabilities against specific competency models for key geoscience careers. The software is designed to easily identify competency gaps based on assessment results, then recommend a learning plan that helps close these gaps. You will be referred to SEG training resources, including eLearning courses, along with generic third-party course titles, SEG technical papers, books, and on-job work assignments.” NSG-specific models are not currently included, but SEG has requested input to add descriptions and competencies for Environmental Geophysicist and Engineering Geophysicist positions. As either of these career paths encompasses a variety of geophysical methods and applications, input is needed from multiple disciplines to make sure we adequately represent and address the various components.

If you are interested in participating in any of these efforts, or would like more information, please contact lwhitesell@seg.org.

Have a safe and happy holiday season and a great start to the New Year!

Steve Sloan
Overview of This Issue of the NS Views

- Feature Article: SEG Near Surface Technical Section Annual Meeting Wrap up
- On the horizon: next Generation NSG
  - Whitney J. Trainor-Guitton
  - Andy Parsekian
- Paper Call: Exploring Geophysics in China
- Join SEG Near Surface Geophysics Technical Section
- Calendar of Upcoming Events
  - AGU Fall Meeting 2016
  - SAGEEP 2017: 30th Anniversary
  - AGU-SEG Hydrogeophysics Workshop 2017: Imaging the Critical Zone
  - ICEG 2017: 19th International Conference on Engineering Geophysics
- Job postings
The SEG Near Surface Technical Section hosted a record number of technical sessions at this year’s annual meeting with eight in total, including three special standing sessions (Hydrogeophysics, Engineering Geophysics, and Humanitarian Geophysics), which means they will occur each year, and one special session on Surface Waves. The rest of the sessions ranged from shallow seismic statics to applications of near-surface geophysics and many others in between. We had a record number of papers submitted and reviewers this year. Thank you to all of the presenters, reviewers, session chairs, volunteers, and staff members who helped to make this year’s events a success!

The Near Surface Technical Section hosted its annual evening reception at Eddie Deen’s Ranch and, like the number of near-surface geophysics abstracts and sessions, had a record number of 110 attendees join us. The new members of the SEG Near Surface Technical Section leadership were introduced to the group with Steve Sloan taking over as Chair, Mike Powers filling the role of Chair-elect, and Dale Rucker becoming Secretary at the event.

The Harold Mooney award was presented to Dr. Susan Hubbard. The honoree for this award is chosen by his or her peers through nominations from the membership and recommendation to the SEG Near Surface Technical Section leadership. The award is presented to an individual in recognition of long-term, tireless, and enthusiastic support of the near-surface geophysics community through education, outreach efforts, professional service, or development of opportunities with other professional disciplines that employ geophysics.

The inaugural SEG Near Surface Technical Section Research award was presented to Brady Flinchum from the University of Wyoming who submitted an outstanding application (Figure 4). The award came with $1,000 to be used exclusively for research needs. The last award of the evening was to the SEG student chapter who submitted the best student chapter near-surface geophysics article for the year. The plaque plus a $250 USD award was given to Tamás Lukács representing the Student Chapter from Eötvös Loránd University, Budapest, Hungary whose article was entitled “Complex geophysical and geological study of the Balaton Highlands: inferences from magnetic and geoelectric surveys”.

Congratulations to all award winners!
Thanks to everyone for making this such a great year for the SEG Near Surface Technical Section. For additional information regarding the SEG Near Surface Technical section please contact ns@seg.org. We look forward to seeing you at our events throughout the year and in Houston for our next annual meeting series of events. Please visit us on our webpage at http://seg.org/News-Resources/Near-Surface for a list of upcoming events and other activities.
Whitney J. Trainor-Guitton graduated from the Colorado School of Mines in 2001 with a bachelor’s degree in geophysical engineering. From 2002 to 2004, Whitney served in the Peace Corps in the Republic of Panama. In 2006, Whitney completed her master’s degree in geophysics from Stanford University. She continued in Stanford’s Program of Earth, Energy and Environmental Science, of which she received her PhD in June of 2010. For her dissertation, she developed value of information (VOI) methodologies for spatial earth problems. After 1 year working for Risk Management Solutions, she started a post-doc at Lawrence Livermore National Laboratory (LLNL) where she began working on geothermal and CO2 sequestration projects. She became a LLNL staff scientist in August 2014, and she officially joined the Mines Geophysics faculty in August 2015. She has been a member of SEG (with some lapses) since 1999.

Whitney’s research interests span the intersection of uncertainty quantification, geostatistics, information theory and geophysical data. Her research track began by quantifying the value of time-domain EM to improve aquifer sustainability decisions. A current project is to use VOI to compare the elastic information obtained from DAS (distributed acoustic sensing) versus traditional geophones (http://geoscience.wisc.edu/geoscience/people/faculty/feigl/porotomo/).

Recent Publications:


Andy Parsekian has been an Assistant Professor in the Department of Geology & Geophysics at the University of Wyoming since 2014. Andy served as the SEG NSGS newsletter editor between 2011 and 2014 and co-led a Geoscientists Without Borders project in the APY lands of Australia in collaboration with CSIRO and Stanford University. Currently, he and members of his Hydrogeophysics lab investigate Arctic and alpine hydrologic systems using electrical, electromagnetic, nuclear magnetic resonance, and ground penetrating radar geophysical methods. The types of questions typically motivate research in these systems are: How does water move through and get stored in alpine catchments?, What is the role of water in permafrost thaw and how does permafrost thaw contribute to carbon cycling?; and, How do hydrologic systems in the Arctic and boreal regions of Earth respond to climate change?

Bio
Andy received his Ph.D. from Rutgers University – Newark in 2011 and his B.S. from Dickinson College in 2005. He did postdoctoral research in geophysics at Stanford University before joining the faculty at the University of Wyoming. While a graduate student, Andy collaborated with his labmates to form the Rutgers Newark Geophysical Society, a student chapter of SEG. He has been associated with SEG since first becoming a member in 2007.

Selected Recent Publications:


The Journal of Environmental & Engineering Geophysics (JEEG) announces a Call for Papers for a special issue on Geophysics in China. This issue is scheduled for publication in June 2018. The special issue co-editors are Guoqiang Xue and Jianghai Xia. Sponsorship of this issue is open.

Suggested themes are:
- Recent progress in instrument development for near surface geophysics in China
- Novel near surface geophysical systems in China
- Data acquisition, modeling, and inversion in China
- Case histories for all aspects of near surface geophysics in China

International contributions are encouraged. The special issue will accommodate at least 15 papers, but all accepted papers will be considered for publication in other JEEG issues. Papers may be submitted through the JEEG submission site, http://jeeg.allentrack.net. Indicate in the cover letter that the paper is for consideration in the Geophysics in China special issue. The deadline for submissions is March 31st, 2017.

Please be advised that while publication in JEEG is free for grayscale figures, nominal fees will be assessed for color figures. Fees for digital color figures are $100/figure USD and $550/figure for hard copy print. Please state in the cover letter that you are aware of the fees for color figures and you are willing to pay the fee (if color figures are included in the manuscript).

JEEG also offers two options for publication: a Near Surface Geophysical Letter (NSGL) and a full research article. The difference between the two is the length of the article. NSGLs are typically 1000-3000 words with up to four figures. Full articles are in excess of 3000 words and there are no limits to figures. However, a general rule of thumb is to have 1 to 2 times the number of figures per 1000 words. A 5000 word article can accommodate about 5 to 10 figures. The NSGL can also make its way through the review process faster as it takes less time to review.

Abstracts will be printed in English and Chinese. However, all work must be submitted in proper English. We encourage all non-native English speakers to seek outside writing services. If manuscripts are poorly written, there is a higher probability of rejection. Some services are listed below:

- http://www.editage.com
- http://www.internationalscienceediting.com
- http://www.journalexperts.com
- http://www.prof-editing.com
- http://www.sciencedocs.com
- http://www.scientific-editor.com
- http://www.scitext.com
- http://www.writescienceright.com

Questions may be directed to:
Special Issue Co-Editors (for EM based papers)–Guoqiang Xue, ppxueguoqiang@163.com
Special Issue Co-Editors (for non-EM based papers)–Jianghai Xia, jxia@cug.edu.cn
Editor in Chief - Dale Rucker, druck8240@gmail.com
JOIN THE SEG NEAR SURFACE TECHNICAL SECTION

Recognized as a leading global society for applied near-surface geophysics, SEG’s Near Surface Technical Section features:

- Multiple business and technical meetings
- Oral, poster, and special sessions at the SEG Annual Meeting
- Special articles and issues in The Leading Edge (TLE), Interpretation, and GEOPHYSICS
- The Near Surface Technical Section newsletter—Near Surface Views—published quarterly


INSPIRE THE FUTURE OF NEAR-SURFACE GEOPHYSICS

Donate now to the SEG Near Surface Geophysical Research Award Fund.

This important initiative enables academically exceptional graduate and undergraduate applicants to conduct geophysical research projects around the world by offsetting expenses for field data acquisition, laboratory experiments, computer software, or other activities. All applicants are considered, with graduate students given greater funds and priority.

Your gift is vital to the advancement of the global near-surface geophysical community. Across this discipline, novel applications and innovative methods and techniques are developed and shared for the benefit of professional, future near-surface geophysicists and society as a whole. In order to maximize the number of available awards, we respectfully ask you to consider a donation to help us meet our goal of growing the endowment to $100,000.

Find out more about the award and donate now at www.seg.org/News-Resources/Honors-and-Awards/Near-Surface-Research-Award.

Please note that the SEG Foundation assesses a 5% Development Fee on all gifts of $200 or more that are allocated to a specific program or activity.
<table>
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<td>AGU Fall Meeting</td>
<td>San Francisco, USA</td>
<td>12-16 Dec 2016</td>
<td>Closed</td>
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<td>SAGEEP 30th Anniversary</td>
<td>Denver, USA</td>
<td>19-23 March 2017</td>
<td>Closed</td>
<td>TBD</td>
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<td>6th International symposium on three-dimensional electromagnetics</td>
<td>Berkeley, USA</td>
<td>28-30 March 2017</td>
<td>TBD</td>
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<tr>
<td>European Geosciences Union General Assembly 2017</td>
<td>Vienna, Austria</td>
<td>23-28 April 2017</td>
<td>Opens until 1 Dec 2016</td>
<td>Early registration ends 16 March 2017</td>
</tr>
<tr>
<td>AGES Congress: Geosciences applied to solve humanitarian problems all over the world</td>
<td>Belgrade, Serbia</td>
<td>24-26 May 2017</td>
<td>TBD</td>
<td>TBD</td>
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<tr>
<td>AGU-SEG Hydrogeophysics Workshop</td>
<td>Stanford, USA</td>
<td>24-27 July 2017</td>
<td>TBD</td>
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<td>International Conference on Engineering Geophysics</td>
<td>Al Ain, United Arab Emirates</td>
<td>8-11 Oct 2017</td>
<td>TBD</td>
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AGU Fall Meeting 2016

Meeting Location: San Francisco, California, USA

http://fallmeeting.agu.org/2016/

Fall Meeting brings together the entire Earth and space science community from across the globe for discussions of emerging trends and the latest research. The technical program includes presentations on new and cutting-edge science, much of which has not yet been published, meaning you’ll return to work with knowledge you can’t get anywhere else. With more than 1,700 sessions in 2015, Fall Meeting’s scientific program spans the Earth and space sciences, offering something for everyone no matter their scientific discipline. The meeting offers a unique mix of more than 20,000 oral and poster presentations, a broad range of keynote lectures, various types of formal and informal networking and career advancement opportunities, and an exhibit hall packed with hundreds of exhibitors showcasing new and relevant research tools and services that meet the professional needs of our attendees year after year. Join us in 2016 for another dynamic experience.

Some related Near Surface sessions:

MONDAY, 12 DECEMBER 2016
- 13:40 - 15:40, NS13A Advances in Exploration Geophysics I, Moscone West-3024
- 16:00 - 18:00, NS14A Advances in Exploration Geophysics II, Moscone West-3024

TUESDAY, 13 DECEMBER 2016
- 08:00 - 10:00, NS21C Advances of Airborne Survey in Near Surface Geophysics: From Geologic Framework Studies to Hazard Investigation I, Moscone West-3024
- 08:00 - 12:20, NS21A Geophysical Characterization of Cold Regions Hydrology and Permafrost Dynamics I Posters, Moscone South-Poster Hall
- 08:00 - 12:20, NS21B Near Surface Geophysical Applications to Soil Processes, Dynamics, and Agriculture I Posters, Moscone South-Poster Hall
- 10:20 - 12:20, NS22A Advances in Exploration Geophysics III, Moscone West-3024
- 13:40 - 18:00, NS23A Advances of Airborne Survey in Near Surface Geophysics: From Geologic Framework Studies to Hazard Investigation II Posters, Moscone South-Poster Hall
- 13:40 - 18:00, NS24A Near Surface Geophysical Applications to Soil Processes, Dynamics, and Agriculture II, Moscone West-3024

WEDNESDAY, 14 DECEMBER 2016
- 08:00 - 10:00, NS31B Frontiers of Uncertainty Estimation in Geophysical Inversion I, Moscone West-3024
- 08:00 - 12:20, NS31A Near Surface Geophysics General Contributions I Posters, Moscone South-Poster Hall
- 10:20 - 12:20, NS32A Geophysical Methods for Groundwater Evaluation and Management I, Moscone West-3024
- 13:40 - 18:00, NS33A Advances of Airborne Survey in Near Surface Geophysics: From Geologic Framework Studies to Hazard Investigation II Posters, Moscone South-Poster Hall
- 13:40 - 18:00, NS33B Near Surface Geophysics General Contributions II Posters, Moscone South-Poster Hall

THURSDAY, 15 DECEMBER 2016
- 08:00 - 12:20, NS41A Frontiers of Uncertainty Estimation in Geophysical Inversion II Posters, Moscone South-Poster Hall
- 08:00 - 12:20, NS41B Geophysical Methods for Groundwater Evaluation and Management II Posters, Moscone South-Poster Hall
- 13:40 - 18:00, NS43A Geophysical and Geotechnical Constraint on Geomechanical Models of Hydraulic Fractures Posters, Moscone South-Poster Hall
- 13:40 - 18:00, NS43B Geophysics in Laboratory Meter-Scale Experiments Posters, Moscone South-Poster Hall
- 13:40 - 18:00, NS43C Integrating Surface Geophysical Methods into Multiscale Investigations of Surface and Groundwater Connectivity Posters, Moscone South-Poster Hall
EEGS is excited to announce that SAGEEP will be co-located with the National Ground Water Association (NGWA) spring meeting March 20 & 21. This opportunity will bring together a diverse audience from a wide range of backgrounds, including both EEGS and NGWA membership. All technical sessions will be open to both groups. In addition to the SAGEEP technical program, the NGWA conference will feature talks and posters with a focus on two topic tracks: Applications of Hydrogeophysics to Groundwater Characterization, Monitoring, and Management & Deep Groundwater Applications.

SAGEEP is internationally recognized as the leading conference on the practical application of shallow geophysics. First held in 1988 at the Colorado School of Mines, the 30th Anniversary SAGEEP will return to Colorado to celebrate this important milestone and is being held in Denver, Colorado USA March 19-23, 2017. We invite you to visit the SAGEEP 2017 pages for details on abstract submissions, hotel reservations and conference registration as more information becomes available.

For the past 30 years, SAGEEP has been held over a 5-day period at locations throughout the United States, with approximately 150 oral and poster presentations, several educational short courses and workshops, numerous vendor presentations, and a commercial exhibition. A set of proceedings, composed of technical presentations, is distributed on CD or USB memory drive (ISSN 1554-8015) and accessible online via the EEGS Research Collection.

More information can be found: http://www.eegs.org/sageep-2017
In this workshop, we will bring together hydrogeophysicists and other critical zone scientists to explore new ways to work together, using recent advances in hydrogeophysics to address key scientific questions about the critical zone. We propose to develop a framework for advancing both hydrogeophysics and CZ science through communicating and coordinating research agendas. New insights into CZ processes will be gained through the enhanced use of hydrogeophysics, and the detailed interdisciplinary observations made in CZ studies will provide opportunities for advancing hydrogeophysical methods.

We invite abstracts for the four following sessions:

1) Interfaces in the Critical Zone,
2) Hydro-bio-geo-chemical processes in the Critical Zone,
3) Critical Zone properties & rock physics,
4) Scaling of Critical Zone data to address science questions.

Each session will begin with two invited talks - one hydrogeophysicist and one Critical Zone scientist. All other presentations will be as posters. Before the viewing of posters, there will be an oral session where each presenter has 3 minutes to introduce their poster. In order to encourage the exchange of ideas and development of new collaborations, we will have all lunches and one dinner together. See full descriptions of sessions [here](#).

Abstract submission opens in December 2016, and closes at midnight 23 February 2017, U.S. Eastern Standard Time. Notification of abstract acceptance and final program will be published on 22 March 2017. The preliminary program can be found [here](#).

Organizing Committee:
Rosemary Knight and Kristina Keating (co-chairs), Anja Klotzsche, Kate Maher, Daniella Rempe, and Kamini Singha
PhD position “GPR full-waveform inversion for high resolution imaging of transport processes”
Forschungszentrum Jülich, Jülich, Germany

The Forschungszentrum Jülich is one of the largest interdisciplinary research centers in Europe and is a member of the Helmholtz Association of German National Research Centers. Our key research areas are “Health”, “Energy and the Environment”, and “Information”. For our Institute of Bio- and Geosciences - Agrosphere (IBG-3) we are seeking a PhD Student with a degree in geophysics, physics, hydrogeology, computational geoscience, or related natural sciences for a three-year PhD position. The earliest starting date is 1. January 2017. The PhD position will be filled when a suitable candidate is found. The Institute of Bio- and Geosciences - Agrosphere (IBG-3) conducts research to improve our understanding of hydrological and biogeochemical processes in terrestrial systems. Its research contributes to the sustainable and resource-conserving use of soils and water.

In the IBG-3, advanced modeling and inversion algorithms are developed and applied for a wide range of hydrogeophysical studies using ElectroMagnetic Induction (EMI) and Ground Penetrating Radar (GPR) systems. This PhD position is part of the EU funded project “ENIGMA”, a European training Network for “In situ imaGing of dynaMic processes in heterogeneous subsurfAce environments”. The primary objective of this project is to extend and apply existing full-waveform GPR data processing algorithms for the time-lapse characterization of transport processes. The project offers the unique opportunity to connect novel processing and inversion techniques to real data in a state-of-the-art computational environment.

Your Profile:
• University degree in geophysics, physics, hydrogeology, computational geoscience, or related natural sciences with a good final grade;
• (Hydro)Geophysical field work experience, preferably with GPR.
• Advanced knowledge of numerical methods
• Experience in (matlab) programming
• Strong English writing and communication skills.

We Offer:
• working in an interdisciplinary environment as well as excellent facilities for hydrogeophysical research and numerical simulation and inversion studies
• Opportunities to being part of the national and international scientific community
• within the ENIGMA training network, several workshops are organized and several other PhD Student work on the development of innovative methods for imaging process dynamics in subsurface hydrosystems.
• PhD students are encouraged to attend international conferences and two research visits of several months abroad with cooperating ENIGMA partners are planned.

The successful applicants will be employed under a full-time fixed-term contract in accordance to Marie Skłodowska-Curie ITN regulations. To be eligible, candidates must comply with mobility requirements. Please see http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl16-msca-itn_en.pdf for details.

In particular candidates must not have resided nor carried out their main activity (work, studies, etc.) in the country of the host organisation for more than 12 months in the 3 years immediately prior to November 1, 2016). Compulsory national service and/or short stays such as holidays are not taken into account.
For further information please contact Prof. Jan van der Kruk, Phone: +49 2461 61-4077, e-mail: j.van.der.kruk@fz-juelich.de or visit our webpage www.fz-juelich.de/ibg/ibg-3.
Postdoctoral position in near-surface geophysical characterization of reservoir rocks  
Department of Geosciences and Natural Resource Management, University of Copenhagen, Denmark

A time limited postdoc position focused on near-surface geophysical characterization of reservoir rocks is now open at Department of Geosciences and Natural Resource Management (IGN), Faculty of Science, University of Copenhagen. The position is open for two years starting 1 March 2017 or as soon as possible thereafter.

The main focus will be on inferring key rock physical parameters (e.g. porosity) from geophysical interpretation of crosshole and surface-based methods, including ground-penetrating radar, electrical, and seismic methods. These studies may be linked to geological data such as core samples. Specific tasks will include: 1) optimization of imaging techniques; 2) time-lapse fluid flow experiments for imaging of preferred flow path ways.

The study is part of a larger interdisciplinary effort focused on reservoir characterization of rocks that are analogous to hydrocarbon reservoirs in the North Sea. The candidate will thus collaborate with other postdocs as well as PhD students in geophysics and geology. The other core group members are employed at IGN, the Natural History Museum and the Niels Bohr Institute at the Faculty of Science, University of Copenhagen. The study is financed by a grant from the Danish Hydrocarbon Research and Technology Centre (DHRTC) located at the Technical University of Denmark (DTU). Thus, the research activities will be carried out in close collaboration with a group of researchers at University of Copenhagen, as well as with researchers from the DHRTC.

The postdoc’s duties will include research within near-surface geophysical characterization of reservoir rocks as well as teaching. The post may also include performance of other duties.

Qualifications:
The ideal candidate should hold a PhD in geophysics or a related research field. A strong background in waveform analysis, inversion techniques and field work experience are considered advantageous.

Further information on the Department is linked at http://www.science.ku.dk/english/about-the-faculty/departments . Inquiries about the position can be made to professor Lars Nielsen (ln@ign.ku.dk) or associate professor Majken Looms (mcl@ign.ku.dk)

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

More information can be found: http://employment.ku.dk/all-vacancies/?show=865664

Lectureship/Senior Lectureship in Hydrological Processes (BJTU)  
Lancaster university, Lancaster Environment Centre, UK

Salary: £33,943 to £55,998  
Closing Date: Saturday 31 December 2016  
Interview Date: Monday 23 January 2017

Lancaster Environment Centre (LEC) is seeking to enhance its already strong national and international profile of excellence, and is expanding as part of a programme of investment by the University by appointing two new Lecturers/Senior Lecturers. The international academic lectureship/senior lectureship in Hydrological Processes aims to enhance our research areas of hydrology and related water science disciplines.

Lancaster University has recently established a joint institute with its highly ranked partner Beijing Jiaotong University (BJTU). The campus, called Lancaster University College - Beijing Jiaotong University, is located in Weihai in the Shandong province in China. We wish to appoint a post at the Lecturer/Senior Lecturer level, to collaborate with our key strategic partner in China. Key responsibilities will include:

- Delivering up to two visits of 10 weeks duration each teaching at the Weihai campus every year;
- Complementing the internationally-leading research output of the Department;
- Engaging with the operation and running of the Department and the Weihai campus.
You will be expected to carry out internationally leading research in the area of hydrological processes and deliver research-led teaching at the Joint Institute in Weihai, China as part of the international strategic partnership that has been established between Beijing-Jiaotong University and Lancaster University (BJTU-LU). In particular, you should be able to teach about those hydrological processes underpinning water issues within Asian watersheds including groundwaters.

More information can be found: https://hr-jobs.lancs.ac.uk/Vacancy.aspx?ref=BJTU03

Lectureship/Senior Lectureship in Earth Science (BJTU)
Lancaster University, Lancaster Environment Centre, UK

Salary: £33,943 to £55,998
Closing Date: Saturday 31 December 2016
Interview Date: Wednesday 25 January 2017

Lancaster Environment Centre (LEC) is seeking to enhance its already strong national and international profile of excellence, and is expanding as part of a programme of investment by the University by appointing two new Lecturers/Senior Lecturers. The international lectureship/senior lectureship in Earth Science aims to enhance our research areas of areas such as biogeochemical cycles, volcanology and geohazards, contemporary environmental processes, sub-surface fluids, and palaeoclimatology and palaeoenvironments.

Lancaster University has recently established a joint institute with its highly ranked partner Beijing Jiaotong University (BJTU). The campus, called Lancaster University College - Beijing Jiaotong University, is located in Weihai in the Shandong province in China. We wish to appoint a post at the Lecturer/Senior Lecturer level, to collaborate with our key strategic partner in China. Key responsibilities will include:

- Delivering up to two visits of 10 weeks duration each teaching at the Weihai campus every year;
- Complementing the internationally-leading research output of the Department;
- Engaging with the administration and day-to-day running of the Department.

You will be expected to carry out internationally leading research in the area of Earth Science and deliver research-led teaching at the Joint Institute in Weihai, China as part of the international strategic partnership that has been established between Beijing-Jiaotong University and Lancaster University (BJTU-LU). In particular, you should be able to teach general geology, Earth’s internal process and biogeochemistry with relevance to the Far East and China in particular.

More information can be found: https://hr-jobs.lancs.ac.uk/Vacancy.aspx?ref=BJTU04
To contribute material to the NS views send an Email to

Anja Klotzsche (a.klotzsche@fz-juelich.de)

All members are welcome to submit content of interest to the Near Surface community. Note, that we also have a new section “What’s hot” where new methods, new developments, new technology, new equipment, or new NS event can be presented. Feel free to send articles to this new section. Please keep messages brief, provide contact information, and (if available) a web address for additional information.