



PRESIDENT'S MESSAGE

Best wishes to everyone in 2011!

I am looking forward to serving the CSSS members in the coming year. Please feel free to drop me a line, if there are any issues that you would like me or Council to deal with.

As we start a new year on CSSS Council, I would like to thank the Council members who have completed their terms: Cindy Grant, President (still on the hook as Past-President); Gordon Price, Past-President, Maja Kricz, Western Councillor; and Aimé Jean Messiga, Graduate Student Representative. Their hard work and the work of the remaining Council members are greatly appreciated. I would also like to welcome the new members to Council: Denis Angers, President-Elect; Lito Arocena, Western Councillor; and Mervin St. Luce, Graduate Student Representative.

In 2011, the CSSS will be holding its annual meeting with the Soil Science Society of America in San Antonio. The planning for this joint meeting has been underway for many months, and I would like to thank Barbara Cade-Menun and Gordon Price for leading this effort.

The annual meetings of CSSS are a very important part of our Society, particularly for the graduate students. This was quite evident in Saskatoon last year where we had an excellent meeting. The tremendous participation of students clearly demonstrated the vitality of CSSS and the great value of our Society in the training of young scientists. I would very much like to see a strong presence of both the graduate students and their elder colleagues at the upcoming meeting in San Antonio. To ensure this happens will require considerable advance planning by individuals. I encourage graduate students and their advisors to discuss this soon and take advantage of the available travel awards through their institutions and through CSSS.

In the coming year, we will be continuing our discussions with the Agricultural Institute of Canada and working with them as they undergo a restructuring process. The AIC and its association with CSSS go back several decades. AIC is now at a critical juncture. I encourage all CSSS members to get familiar with AIC and its activities

(www.aic.ca) and provide the Council your thoughts on how AIC could best serve you and the CSSS.

David Lobb
President, CSSS



CSSS Council 2011

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CSSS Newsletter

CJSS Election Results:

Congratulations to our newest CSSS Council Members beginning their terms in 2011:

President-Elect:	Denis Angers
Western Councillor:	Joselito Arocena
Student Representative:	Mervin St.-Luce (McGill University)

Biographies:

Dr. Denis Angers, President-Elect

Dr. Denis Angers is a Research Scientist with Agriculture and Agri-Food Canada in Québec City. He obtained his B.Sc.A. (Bio-Agronomie) from the Université Laval, his M.Sc. in Soil science from the University of Guelph, and his Ph. D. in Soil Science from McGill University. His research has involved soil structure, and C and N cycling, with the overall objective of reducing soil degradation and net greenhouse gas emissions.



Dr. Angers is Adjunct Professor of Soil Science at Laval and McGill Universities. He has been visiting scientist at INRA, France and at the University of Adelaide, Australia, and Invited Professor at the Faculty of Agronomy in Rennes, France. He has been a scientific advisor for the OECD and the Organisation Internationale de la Francophonie.

Dr. Angers has served on the editorial board of several scientific journals (Soil and Tillage Research, Plant and Soil, Étude et Gestion des Sols) and is currently Associate Editor of the Journal of Environmental Quality. He was Section Editor of Soil Sampling and Methods of Analysis and one of the Editors of the Soil and Environmental Science Dictionary, both sponsored by the CSSS. He was Associate Editor and the first Special Issues Editor of the CJSS. He has served as Eastern Councillor of the CSSS and was Chair of the CSSS Annual Meetings in Montréal (2003) and Québec City (2007). Dr. Angers is a Fellow of the Canadian Society of Soil Science and of the Soil Science Society of America.

Dr. Denis Angers est chercheur scientifique au Centre de recherche d'Agriculture et Agroalimentaire Canada de Québec. Il est titulaire d'un B.Sc.A en bio-agronomie de l'Université Laval, d'une maîtrise en science du sol de l'Université de Guelph et d'un doctorat également en science du sol de l'Université McGill. Son programme de recherche porte sur l'étude de la structure du sol

CJSS Election Results: (continued)

et des cycles de C et N dans une perspective de réduction de la dégradation des sols et des émissions nettes de gaz à effet de serre.

Dr. Angers est professeur associé de science du sol aux universités McGill et Laval. Il a été chercheur invité à l'INRA en France et à l'université d'Adelaide en Australie ainsi que professeur invité à Agrocampus-Ouest à Rennes (France). Il a agi à titre d'expert pour l'OCDE et l'organisation internationale de la Francophonie.

Dr. Angers a été membre du comité de rédaction de plusieurs revues scientifiques (Soil and Tillage Research, Plant and Soil, Étude et Gestion des Sols) et est actuellement rédacteur associé du Journal of Environmental Quality. Il a été Section Editor de Soil Sampling and Methods of Analysis et un des rédacteurs du Soil and Environmental Science Dictionary, deux ouvrages parrainés par la SCSS. Il a été rédacteur associé de la Revue canadienne de science du sol (CJSS) et le premier titulaire du poste de rédacteur des numéros thématiques. Il a été membre du comité de direction de la SCSS à titre de directeur de l'Est et président du comité organisateur des congrès annuels de la SCSS en 2003 à Montréal et en 2007 à Québec. Il est Fellow de la Société canadienne de science du sol et de la Soil Science Society of America.

Lito M. Arocena, Western Councilor:

Lito M. Arocena has a PhD (University of Alberta) and Licentiate in Bodemkunde (Great Distinction) from the International Training Center for Post-Graduate Soil Scientists (State University of Ghent, Belgium). His research areas are based on the biogeochemical transformations of soil minerals and their applications to soil genesis, nutrient cycling in forestry and agriculture, ecology, environmental integrity and engineering, geomorphology and archaeology. In addition, the principles of micropedology guide his efforts to understand the ecosystem functions of soils. His service to the soil science community includes a continuing associate editor or member of the editorial board for the following journals: Canadian J Soil Science, J Environmental Quality, Applied and Environmental Soil Science, Open Forestry J. Lito held appointments as a visiting professor at the Technical University of Munich (Germany) and the Universidad Politecnica de Cartagena (Spain). He is a professor at the Environmental Science and Engineering program and currently holds the Canada Research Chair in Soil and Environmental Sciences at the University Northern British Columbia in Prince George, BC.



Mervin St.-Luce, Student Representative:

Mervin St.-Luce is currently a PhD student at McGill University and conducts research in nitrogen cycling at the Soils and Crops Research and Development Center of Agriculture and Agri-Food Canada (AAFC) in Quebec, under the supervision of Drs Noura Ziadi (AAFC, Quebec), Bernie Zebarth (AAFC, Fredericton) and Joann Whalen (McGill University). He graduated with a B.Sc. (Hons.) in Agriculture and M.Phil. in Soil Science from the University of the West Indies in Trinidad and Tobago. His research objective is to gain a better understanding of nitrogen mineralization and the factors that control soil nitrogen supply in order to improve nitrogen management. He is focusing on labile organic nitrogen fractions, their biochemical transformation, and their individual and collective contribution to soil nitrogen supply under contrasting agricultural practices and soil properties.



Canadian Journal of Soil Science – Editors Report

I would like to express my sincerest appreciation to Tim Fenton and Laurie Scott for their hard work and support in managing our journal. Appreciation is also expressed to Dr. Gary Kachanoski as Past Editor of CJSS as well as to the Associate Editors who have completed their terms (Dr. Eric Blanchart, Dr. Sean McGinn, Dr. Guy Richard and Dr. Margaret Schmidt).

We are very fortunate to have Dr. Jean Caron (U. of Laval), Dr. Jeff Strock (U. of Minnesota), Dr. Mario Tenuta (U. of Manitoba), Dr. Xueming Yang (AAFC, Harrow), Dr. Francis Zvomuya (U. of Manitoba) as the new Associate Editors for CJSS. We currently have 1 Editor-in-Chief, 1 Special Issues Editor and 16 Associate Editors on the CJSS Editorial Board.

Journal Status

The submission rates for CJSS have been steadily increasing and we are on track for a record number of papers submitted to our journal this year. Thus far 89 papers (as of August 26th, 2010) have been submitted compared to our 5 year average annual submission rate of 112 papers and last years record of 123 papers. In 2009, 42% of the papers originated outside of Canada. In 2009, for the 108 papers that have reached a decision, 48% of the papers have been accepted, 45% have been rejected and 7% have been withdrawn.

The impact factor (IF) for CJSS has also been increasing. In 2009, the IF was 1.023 and the 5-yr IF was 1.172 with a half life which has been consistently greater than 10 years.

I would like to reduce the amount of time it takes for authors to receive their first review as well as the total time it takes for the time from submission until a final decision has been made. I polled the Associate Editors and the consensus was to reduce the Reviewers time from 2 months to 6 weeks and the authors revision time from 3 months to 6 weeks. These shorter turn-around times may help to shorten the overall review process.

CJSS and many other journals are experiencing a high number of refusals from reviewers which is not only frustrating for AE's but it also increases the review process. Typically 4-5 people review every paper (Editor, Associate Editor, and 2-3 reviewers) that is submitted for publication. Hence for every paper that an author publishes he/she is encouraged to review at least 4-5 papers. Although it is a timely process it is an investment in our Journal and in Soil Science.

On-line submission (ScholarOne)

The National Research Council has decided to no-longer support the OSPREY on-line submission system. The Agricultural Institute of Canada and the Editors of the 3 AIC journals (Can. J. Soil Sci., Can. J. Animal Sci. and the Can. J. Plant Sci.) have decided to switch to ScholarOne for on-line manuscript submissions. ScholarOne is a more intuitive and flexible submission system. We are now in the testing phase and anticipate that ScholarOne will go live in September. Manuscripts currently submitted using the OSPREY system will remain in this system until a final decision is made and only new submissions will be processed using ScholarOne.

Special Issues/Sections

There are 4 Special Issues/Sections in progress and 2 Special Issues planned for fall submission:

In Progress

- Measurement and Processes in Frozen Soils (Guest Editors: Suzanne Allaire & Pieter Groenevelt – 4 submissions).
- Flow and Transport in Layered Soils (Guest Editors: Bing Si, Myles Dyck and Gary Parkin – 6 submissions).
- Great Lakes Phosphorus Forum (Guest Editors: Tiequan Zhang and Keith Reid - 16 submissions).
- Soils of Canada (Guest Editors: Dan Pennock, Lito Arocena and Scott Smith – 11 submissions)

Future Issues/Sections

- Soil Reclamation (Guest Editor: Anne Naeth) (submissions planned for fall, 2010)
- Soil Quality and Management of World Mollisols (Guest Editors: Xiaobing Liu, Ted Huffman, Bing Si and Richard M. Cruse)

If you have any comments or suggestions please feel free to contact me.

Craig F. Drury
Editor Canadian Journal of Soil Science

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Laval University

ASSISTANT PROFESSOR, IRRIGATION AND DRAINAGE

The Department of Soil & Agri-Food Engineering at Laval University invites application for a full time tenure track position at the assistant professor rank with research interest in irrigation, drainage, and water transport in the soil-plant-atmosphere continuum, effective April 1st, 2011. This position is linked to a National Science and Engineering Research Council of Canada (NSERC) industrial chair on irrigation of horticultural crops.

The successful candidate will be expected to work in close collaboration with the NSERC chair holder and his team; to elaborate his own research program; to attract and supervise graduate students and to teach at the undergraduate and graduate levels courses in agricultural soil and water conservation and management. Candidates must have an expertise and a strong background in irrigation and drainage of horticultural crops and agricultural soils and a good knowledge of soils and agriculture production in Québec and North America.

Applicants must have excellent communication skills and strong publications record and hold a Ph.D. or equivalent in soil hydrodynamics, irrigation, drainage or soil and water conservation, and a bachelor's degree in Engineering (Agricultural, Environmental, Bioprocess, Civil, Mechanical, Geological) or Agronomy (Soil Physics).

Priority will be given to applicants eligible for Professional Engineering registration in the Province of Quebec (or in another Canadian Province). Teaching at Laval University is in French; however the University offers several programs to candidates to improve their French language skills. Applicants should send their full curriculum vitae, a concise research and teaching vision statement, publication portfolio and they should arrange for three letters of references to be sent directly to:

Dr. Hani Antoun,
Chair, Département des sols et de génie agroalimentaire,
Faculté des sciences de l'agriculture et de l'alimentation,
Université Laval,
Pavillon Paul-Comtois, 2425 rue de l'Agriculture
Québec (Qc) Canada G1V 0A6
Hani.Antoun@fsaa.ulaval.ca

To ensure full consideration complete applications including letters of reference should be received by **February 1st, 2011**. As an employer committed to a diverse workplace, Laval University encourages all qualified individuals to apply—particularly women, visible and ethnic minorities, aboriginal persons, and persons with disabilities—but priority will be given to Canadians and Canadian permanent residents.

SENIOR SOIL SURVEYER

My organisation is currently working on a Northern Emirates Soil Survey in the United Arab Emirates for the Abu Dhabi government. I am currently recruiting for a Senior Soil Surveyor.

Work Scope

Role

This schedule describes the activities and work scope the Senior Soil Surveyors associated with the Soil Survey of the Northern Emirates.

Objectives

1. To provide direction and guidance to field crews with respect to areas to be surveyed.
2. Ensure field production rates and quality of information collected are maintained.
3. Undertake field mapping on a grid survey basis to gather information on the soils of the survey area, recording site data on the field data collection systems provided.
4. Identify soil types and develop field definitions for each.
5. Using information provided by the field teams to append and adjust map unit boundaries to the soil map, providing map unit definitions for each unit type.
6. Identify potential typical soil classes and potential sites for soil sampling and deep drilling.

Jobs, Jobs, Jobs (continued)

Background

- Read the summary project work plan document and Standard Operating Procedures (SOP) for overview of project requirements, technical approach and procedures.
- Duration: Initially 2 months
- Work Station: Based in Al Dhaid.
- Accommodation: To be supplied by GRM International (anticipate house accommodation).
- Instruction from: Mapping Crew Leader for technical approach and weekly schedule.
- Project Manager for overall project administration and management.

Plan of Work:

Plan of work will include, but not be limited to, the following tasks:

- ·On arrival in Dubai review the overall project deliverable requirements, and the inputs and outputs expected of Senior Soil Surveyors (SSS).
- ·The SSS must be totally familiar with the standard operating procedures, data management hardware and software (SSS and the field crew members) and the USDA standards for soil profile description and classification (there are some differences to the Australian approach).
- ·Provide support to the Mapping Crew Leader in the training and calibration of the other mapping crew members.
- ·Review the draft soil map and the soil types identified.
- ·Liaise with the Mapping Crew Leader to discuss the weekly work program and any issues to be resolved.
- ·Provide direction and guidance to the individual mapping crews for which the SSS is responsible with regard to day to day operations, areas to be covered, safety issues, reporting etc.
- ·Ensure work rates are maintained and USDA standards for data collection are met.
- ·Undertake field survey work, locating sites, describing and classifying soils according to the standards defined by the USDA.
- ·Check and review site data from individual survey teams to identify gaps in data collection and inconsistencies in description and classification both between individual surveyors and by an individual surveyor.
- ·Ensure that corrected data are uploaded to a field pc or other hardware device for transfer to and checking by the Mapping Crew Leader.
- ·Amend and update map unit boundaries, identifying additions or changes to soil type definitions as appropriate. Update polygon definitions including proportions of soil types identified.
- ·As directed by the mapping crew leader conduct training of local counterparts.
- ·Maintain a field log book as outlined in the SOP

Outputs:

Outputs required will include the following:

1. Observation descriptions from conducting field survey (sties), classified and digitally stored, at the required standard.
2. Site photos for individual sites captured, stored and labelled appropriately.
3. A summary report that describes the general soil pattern understanding as obtained during the survey phase.
4. Soil map and survey legend for survey area covered during the mission including definitions for map unit polygons and soil types.
5. Field log books as completed during the survey.

The contract will start at the beginning of January and will run for about 4 months, If you are interested in applying for this position, please send me your CV. Alternatively if you know of any one who this position might be of interest to please feel free to forward this email onto them.

I am of course happy to speak to anyone, so please let me know if you would like to discuss this opportunity further.

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Jobs, Jobs, Jobs (continued)

POSTDOCTORAL FELLOW POSITION IN SOIL SCIENCE

The Division of Plant and Soil Sciences in the Davis College of Agriculture, Natural Resources and Design at **West Virginia University**, is seeking to fill a postdoctoral position in soil sciences. The position is a 12-month, non-tenure track, 100% research position. The position is in the National Soil Survey Center-Geospatial Research Unit, which is supported 100% by external funds. The position is for a minimum of 18 months, contingent upon continued external funding. Salary will be commensurate with qualifications and experience.

RESPONSIBILITIES

The postdoctoral fellow will conduct research on the development of digital soil property maps at regional and continental scales in support of the GlobalSoilMap.net project. Efforts will include regionalizing and disaggregating existing vector soil survey information, incorporating existing and new point data, and investigating the use of raster data sources to improve the spatial prediction of soil classes and soil properties. Applicants should have an interest in studying soil variability and spatial modeling, as well as an understanding of geographic information science and statistical modeling techniques.

QUALIFICATIONS

A PhD in Soil Science or related field is required. Additional requirements include demonstrated expertise in spatial and multivariate statistics, geographic information systems, and database management, as well as effective written and verbal communication skills. Experience with SQL Server, Access, or any ESRI software is highly desirable.

LOCATION

WVU is located in Morgantown, a vibrant community of 45,000 in the Appalachian Mountains on West Virginia's northern border adjacent to Pennsylvania. Morgantown has been recognized as one of the best small cities in the US. World-class healthcare, recreation, education and art facilities complement a strong business community. WVU is a Division I Research institution and serves as the state's major research, doctoral degree-granting institution serving 29,000+ students in 185 degree programs offered by 15 academic schools and colleges.

The Division of Plant and Soil Sciences is one of five divisions in the Davis College of Agriculture, Natural Resources and Design. Disciplines within the Division are agronomy, entomology, environmental microbiology, genetics, horticulture, plant pathology and soil science. The Division is the home of the National Soil Survey Center-Geospatial Research Unit, a collaboration between the USDA-Natural Resources Conservation Service and WVU. The mission of the NSSC-GRU is to enhance the capacity of the NRCS to produce, utilize, and apply soil, natural resource, and conservation information through the innovative application of geospatial technologies. The NSSC-GRU operates both locally and nationally to support the NRCS by developing tools and techniques to both improve and accelerate the production and update of soil survey and resource inventories.

APPLICATION

Applicants must submit an application letter with specific information on disciplinary focus, professional activities, and other information relevant to meeting the position qualifications; detailed curriculum vitae specifying education, experience and qualifications; transcripts; and three reference letters to Dr. Barton Baker, Division Director, Division of Plant and Soil Sciences, WVU, PO Box 6108, Morgantown, WV 26506-6108. Phone (304) 293-4817; Fax (304) 293-2960.

Electronic applications will not be accepted. Review of applications will begin after February 1, 2011 and continue until the position is filled.

FOR MORE INFORMATION

Visit http://www.caf.wvu.edu/plsc/soilscience/postdoc_DSM.pdf, or contact Jim Thompson (304-293-2921; james.thompson@mail.wvu.edu).

WVU is committed to widening its faculty diversity. Women and minorities and those with disabilities are encouraged to apply. West Virginia is an Equal Opportunity, Affirmative Action Employer

Upcoming Meetings and Conferences

Canadian Society of Soil Science

San Antonio, TX,
Canadian Society of Soil Science Annual Conference jointly
organized with SSSA
Oct 16-20, 2011
See www.soils.org/meetings

66th SWCS International Annual Conference

Conservation Science and Policy: Global Perspectives and Ap-
plications
July 17-20, 2011
Washington, DC
www.swcs.org/11ac

CLRN meeting - "Soils the Critical Zone for Land and Wa- ter Management".

June 7-8, 2011
University of Saskatchewan, Saskatoon, SK
For more info please contact Ben Stewart at
Ben.Stewart@AGR.GC.CA

Rhizosphere 3 International Conference

September 25-30, 2011
Burswood Convention Centre, Perth, WA
<http://rhizosphere3.com/>

EGU2011: Soil water repellency: origin, assessment and geomorphological consequences

European Geosciences Union General Assembly 2011,
Vienna, Austria,
April 3-8, 2011.
<http://meetingorganizer.copernicus.org/EGU2011/session/7784>

Land Quality and Land Use Information in the European Union

26-27 May 2011.
Keszthely, Hungary
<http://landq2011.uni-pannon.hu/>

12th North American Agroforestry Conference,

June 4-9, 2011
Athens, Georgia
<http://hosting.caes.uga.edu/2011NAAC/>

12th International Symposium on Soil and Plant Analysis

June 6-10, 2011
Crete, Greece
<http://www.isspaonline.org/Program/>

66th Soil and Water Conservation Society (SWCS) International Annual Conference

July 16-20, 2011
Washington, DC
<http://www.swcs.org/>

First Wageningen Conference on applied soil science

September 18-22, 2011
Wageningen, The Netherlands
[http://eussoils.jrc.ec.europa.eu/events/Future_events/
Wageningen.pdf](http://eussoils.jrc.ec.europa.eu/events/Future_events/Wageningen.pdf)

9th International Rangeland Congress.

April 2-8, 2011
Rosario, Argentina
www.irc2011.com.ar

Plant Canada 2011

Plant Adaptation to Environmental Change
July 17-21, 2011
Saint Mary's University, Halifax, Nova Scotia
<http://www.plantcanada2011.ca/>

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