

# NRES WEEKLY NEWS

## September 22 - 26, 2008

A newsletter for faculty, staff and students  
who participate in the  
Natural Resources & Environmental Studies Institute  
and NRES Graduate Programs

### COMING EVENTS

### NRESI RESEARCH COLLOQUIUM SERIES



**This FRIDAY**

## Howard Freeland

Argo Co-Chairman  
Fisheries & Oceans Canada / Institute of Ocean Sciences

### Argo Watches the Oceans

Physical oceanography is presently undergoing a radical change with the installation of a global, real-time observing system called Argo that was initiated 9 years ago at the OceanObs-99 meeting in France.

This talk will outline how the Argo instrumentation works and will describe the evolution towards a global observing system that has been created entirely within the last 9 years. This observing system has required international cooperation within the scientific community at a level that is unprecedented in oceanography. The talk will also outline some results deriving from the global array.

Today a global observing system exists in the oceans of the world. Indeed, more ocean climate data will be gathered in the Southern Ocean in 2008 than has been gathered from the sum of all previous research missions to the Southern Ocean. So today we know at all times how the ocean is changing, how heat is being stored in the oceans and how it is being redistributed by ocean currents.

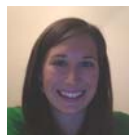
Nevertheless there are threats to the long-term survival of this program notwithstanding the enormous social benefits that will derive from its survival. Political decisions over the next 2 years will determine whether or not there is a potential for the long-term survival of the Argo array.

*Light Refreshments will be Served*

**Friday, September 19, 2008**

**3:30 - 4:30 pm**

**Lecture Theatre 7-212**



Laura Cornish  
The Climate Project - Canada

**Next FRIDAY**

### Climate Change Impacts in BC

I will provide an overview of climate change impacts in BC and offer local solutions to climate change for communities, businesses and households.

I will also discuss strategies to reduce greenhouse gas emissions from buildings, waste, transportation, agriculture and energy with examples of initiatives in British Columbia and in other jurisdictions.

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**Friday, September 26, 2008**

**3:30 - 4:30 pm**

**Lecture Theatre 7-212**

## COMING EVENTS

**Global Fridays**  
**Senate Chambers**  
**12:30—1:45 pm**

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**September 19, 2008**

Pun Ngai, Associate Professor  
Hong Kong University of Science & Technology

**Made in China: Women Factory Workers in a Global Workplace**

### **NRES Graduate Student Poster Session / Fall Social**

**Friday, October 3rd**

**3:30—5:30**

Winter Gardens — light refreshments provided

The main purpose of this event is to get to know the new graduate students and mingle with those that have been working on their projects for a while within the context of ongoing research within NRES. Please plan on attending and encouraging your students to attend. If you and/or your graduate students have posters that they would like to display, either email Mike Gillingham (michael@unbc.ca) with the number of posters and the contact name for each poster, or fill in the sign-up sheet that is on the counter by Brenda Janzen's desk (3rd floor, New Lab Building).

### **Community Speaker's Series**

The CDI is pleased to announce that the fall 2008 Community Speaker's Series event will be held in **Prince George 7:00 pm, Thursday, October 02**, room 7-150 at the UNBC campus and in **McBride 7:00 pm, Friday, October 03** at the Robson Valley Community Center, 441 Columbia Street, McBride.

**Kathy Lewis**, Chair of Ecosystem Science and Management at UNBC, will be our speaker. The title of the presentation is: *"Forestry – a dying profession or an opportunity for rebirth?"*

For information on past Community Speaker's Series presentations please visit:

[http://www.unbc.ca/cdi/speakers\\_series.html](http://www.unbc.ca/cdi/speakers_series.html)

If you have questions, please contact: Don Manson at [manson@unbc.ca](mailto:manson@unbc.ca) or phone (250) 960-5018

## CONGRATULATIONS

Gareth Hopkins of the **Aukema lab** was one of approximately 100 invitees from across Canada to participate in UBC/SFU/U Vic's inaugural Rising Stars of Research National Undergraduate Poster Competition at UBC in August. He presented his work on feeding preferences among Warren root collar weevils, and was scored on research quality, poster content, and ability to answer questions from judges of diverse scientific backgrounds. He represented ESM and UNBC quite well by winning FIRST PLACE (and a handsome cash prize!) in the Discovery Division (encompassing life sciences, psychology, natural resources and the environment, computational sciences and technology, and physical and earth sciences).

Further kudos to Eunice Kim in **Chow Lee's lab** (Chemistry). Eunice received an Honourable Mention in the Finder's Division (biochemistry, molecular biology, and health sciences).

## PUBLICATIONS

Khademi, H., **Arocena, J.M.** (2008) "Kaolinite formation from palygorskite and sepiolite in rhizosphere soils". *Clays and Clay Materials* 56: 429-436.

**Arocena, J.M., Hall, K.** Meiklejohn, I. (2008) "Minerals provide tints and possible binder/extender in pigments in San Rock paintings (South Africa)". *Geoarchaeology* 23: 293-304.

**Aukema, B.H.,** Carroll, A.L., Zheng, Y., Zhu, J., Raffa, K.F., Moore, R.D., Stahl, K., Taylor, S.W. (2008) "Movement of outbreak populations of mountain pine beetle: Influence of spatiotemporal patterns and climate". *Ecography* 31: 348-358.

Raffa, K.F., **Aukema, B.H.,** Bentz, B.J., Carroll, A.L., Hicke, J.A., Turner, M.G., Romme, W. (2008) "Cross-scale drivers of natural disturbances prone to anthropogenic amplification: Dynamics of biome-wide bark beetle eruptions". *BioScience* 58: 501-517.

**Gillingham, M.P.** (2008) Ecology of black-tailed deer in north-coastal environments. pp. 39-47 in A.J. Gaston, T.E. Golumbia, J.-L. Martin, and S.T. Sharpe (eds.). *Lessons from the Islands: introduced species and what they tell us about how ecosystems work. Proceedings from the Research Group on Introduced Species 2002 Symposium, Queen Charlotte City, B.C. Canadian Wildlife Service Special Publication, Environment Canada, Ottawa.*

Fettig, C.J., McKelvey, S.R., Dabney, C.P., Borys, R.R., **Huber, D.P.W.** (2008) "Response of *Dendroctonus brevicornis* to different release rates of nonhost angiosperm volatiles and verbenone in trapping and tree protection studies". *Journal of Applied Entomology* doi: 10.1111/j.1439-0418.2008.01317.x

## TRAVEL / CONFERENCES / PRESENTATIONS

Neil Hanlon traveled to Durham, England as an invited participant in the Care of the Body Workshop hosted by the Department of Geography at Durham University, 2-3 September 2008. The title of Neil's presentation was "Regionalization and the re-territorialization of health care in northern British Columbia".

correction from Sept 15/08 newsletter:

Botany without Borders — Canadian Botanical Association 2008 Annual Meeting, July 26-30, UBC. **Jane Young** did not attend, but her student, Leona Shaw did and presented a poster: The ecology of food and medicine plant gathering sites as defined by Tl'azt'en Nation, by L. Shaw, B. John, **J. Young** and her former research assistant, Anna Gradowska, made an oral presentation: The effect of NaCl and CMA treatment on the growth and morphology of *Arctostaphylos urva-ursi* by **Young, J., Gradowska, A., Rutherford, M., and Booth, A.**

**We're on the web at : [www.unbc.ca/nres/newsletter](http://www.unbc.ca/nres/newsletter)**

**REMINDER:** Share your information about recent publications, grants, and/or other honours you may have received with others interested in NRES issues.

**PLEASE EMAIL ALL INFORMATION AND MATERIAL TO MICHELLE KEEN: [keenm@unbc.ca](mailto:keenm@unbc.ca)**