



# NRES WEEKLY NEWS

## February 16 - 20, 2009

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



**Dr. Kishan R. Sambaraju**

Post-Doctoral Fellow, Ecosystem Science & Mgmt Program, UNBC

#### **Studies on Behavioral Ecology & Reproductive Success of the Indianmeal Moth, a Pest of Stored Foods**

**This FRIDAY**

Cereal grains such as wheat are typically stored in grain silos and large grain bins after harvest, and then eventually processed into finished products in food processing plants. These food storage ecosystems are inhabited by a variety of arthropod pests such as mites and insects, and among the insect pests, beetles and moths cause extensive qualitative and quantitative losses to stored food. The Indianmeal moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae), is one of the most important moth pests infesting foods in storage. Larvae cause the most damage by feeding and spinning silken webs in the food whereas adult moths live to mate and lay eggs. Understanding the behavioral ecology of adult moths could help in developing safer pest management strategies in the future. In this seminar, I will present experimental procedures and outcomes of studies that were conducted to assess the behavioral responses of Indianmeal moth to several food media and to light, and provide a description of the female oviposition behavior.

*Light Refreshments will be Served*

Friday, February 13, 2009

3:30 - 4:30 pm

Lecture Theatre 7-238

#### **NO COLLOQUIUM FEBRUARY 20th READING WEEK BREAK**

**Next FRIDAY**

**Dr. Dan F. Orcherton**

Research Extension Associate—Socio-Economics, FORREX  
Adjunct Professor, Ecosystem Science & Management Program, UNBC



#### **Healing the Rift:**

#### **Socio-economics Extension Research and the Socialization of Knowledge beyond Capital**

Recent developments in the field of agro-ecology, human nature and social-change describe how the socialization of knowledge beyond capital has helped to explain the reduction of regional inequalities in the natural resource sector. Based on postulates by John Bellamy Foster (*Monthly Review*, February 2007) and Diogo André de Assumpção (2005), knowledge is an essential factor in stimulating social and economic development, and metabolic rift describes how the logic of accumulation serves basic processes of natural reproduction, leading to the deterioration of social and ecological sustainability. The socialization of knowledge through extension research is a process capable of making specific knowledge accessible and available where it can be useful and necessary. Reducing regional inequalities is possible if there is a commitment to development as well as sustainability throughout the whole society, based on concepts of sustainable development and aligned with the possibilities of information society, and the diffusion of knowledge. This discussion/presentation will explore variations of socioeconomic extension research, the socialization of knowledge, and ways to heal the rift process to better explain these inequalities, particularly within the natural resource sector.

*Light Refreshments will be Served*

Friday, February 27, 2009

3:30 - 4:30 pm

Lecture Theatre 7-238

## OTHER COMING EVENTS

Global Fridays  
Senate Chambers  
12:00—1:30 pm

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February 13, 2009

Judy Fudge, Lansdowne Professor of Law, University of Victoria and Fiona MacPhail, UNBC

Canada's Approach to Low-Skilled Temporary Foreign Workers

## WELCOME

Núria Martinez-Carreras is a PhD student from the Department of Environment and Agro-Biotechnologies at the Public Research Centre Gabriel Lippmann in Luxembourg. She is visiting **Phil Owens** as part of her PhD study on the use of the fingerprinting approach to estimate suspended sediment sources in the Attert river basin in Luxembourg. She will be at UNBC (room 8-242) until the end of April 2009.

## PUBLICATIONS / APPOINTMENTS

**Gillingham, M.P., Parker, K.L.** (2008) "Differential habitat selection by moose and elk in the Besa-Prophet Area of northern British Columbia". *Alces*, 44: 41-63.

**Gillingham, M.P., Parker, K.L.** (2008) "The importance of individual variation in defining habitat selection by moose in northern British Columbia". *Alces*, 44: 7-20.

Meiklejohn, I., **Hall, K.**, Davis, J. (2009) "Weathering of rock art at two sites in the KwaZulu-Natal Drakensberg, southern Africa". *Journal of Archaeological Science*, 36: 973-979.

**Parker, K.L.**, Barboza, P.S., **Gillingham, M.P.** (2009) "Nutrition integrates environmental responses of ungulates". Invited review. *Functional Ecology*, 23: 57-69.

*New NRESI Occasional Paper Published:*

**Helle, S., Fredeen, A.L., Rutherford, P.M., Halseth, G., Gillingham, M.P., Parker, K., Massicotte, H.** (2009) "Biomass energy in central British Columbia: framing the issues". Natural Resources and Environmental Studies Institute Occasional Paper No. 4, University of British Columbia, Prince George, BC.

## CONFERENCES / TRAVEL

**Scott Green, Art Fredeen, Paul Sanborn**, former NRES M.Sc. student Hardy Griesbauer (w/ Green) and current NRES M.Sc. student Cheryl Johnston-Schuetz (w/ Green) conducted a workshop in Whitehorse, Yukon, entitled: "Vulnerability and Adaptive Capacity of Yukon Tree Species to Climate Change" and held meetings with Yukon Government researchers from Feb.2-4, 2009. This workshop and meetings were held to gain local knowledge and feedback on a report on this topic to be submitted to the Yukon Government, Forest Management Branch at the end of March 2009. This report will further inform a future INAC-funded research project on this same topic to be conducted from 2009-2011 in the Yukon Territory.

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**Staffan Lindgren** and graduate student Tamara Richardson will travel to Simon Fraser University 17 February to give presentations at the Annual Meeting of the Professional Pest Management Association of BC. Staffan will give an invited talk "Forest insects in a changing environment: Same rules, different field" (co-authored with Ken Raffa) in the morning symposium "The evolving pest", while Tamara will give a submitted presentation entitled "Influence of cone monoterpenes on clonal preferences of the western conifer seed insect in a lodgepole pine seed orchard" (co-authored by Ward Strong and Staffan Lindgren).

**Staffan Lindgren** will attend the Forest Health Review Committee, an ad-hoc advisory group to the Chief Forester of the BC Ministry of Forests and Range, at the Pacific Forestry Centre, Victoria, on 18 February. Staffan will give an informal presentation entitled: "Something old, something new, something borrowed, something blue. A university perspective on future directions in forest health".

**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)**