



Building Envelope Council Ottawa Region

# BUILDINGS, BUGS, ROT & MOLD

## Feed Them and Watch The Fun Guys Grow

a one day seminar focusing on biological attack on building materials and structures from pests, insects, mold and fungi

**October 10, 2007**

8:00 AM to 4:30 PM

**Canada Mortgage and Housing Corporation  
National Office  
Conference Room C1-103 and C1-104  
700 Montreal Road  
Ottawa Ontario**

**A one-day seminar for building designers including architects and engineers, consultants, builders, contractors, product manufacturers, specification writers, project managers, building owners, property managers and building operators concerned about biological attack on building materials and structures within their buildings and facilities.**

### **About BECOR**

The building Envelope Council Ottawa Region (BECOR) is a non-profit organization formed to promote the pursuit of excellence in the design, construction and performance of building envelopes. BECOR is committed to maintain a leadership position in this highly technical field. Members enjoy advance notice of technical meetings, discounted seminar fees, preferred registration and information packages for special seminars. BECOR, through its affiliations with National Building Envelop Council (NBEC) establishes and maintains communication channels with other related international, national and provincial organizations.

Visit our Website:  
<http://www.becor.org>

In Collaboration with:

**National Research Council, Institute for Research in Construction  
Canada Mortgage and Housing Corporation  
Public Works Government Services Canada  
Structural Pest Management Association of Ontario**



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Presents

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Featuring

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**Dr. Paul Cooper** • University of Toronto

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**Ted Berdowski** • Environmental Pest Management

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**Lynne Strickland** • LJ Strickland Associates

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**Paul Battle** • Invironments Inc.

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**McGregor Pearce** • Environmental Health Consultant

### Speaker Biographies

**Dr. Paul Cooper, PHD** is a wood scientist with over 30 years of research teaching and consulting experience in wood deterioration and wood. His research is focused on minimizing environmental impacts of wood preservatives at all stages of the product life cycle including recycling of spent treated products.

**Ted Berdowski, Principal of Environmental Pest Management Inc. and President of the Structural Pest Management Association of Ontario.** He has over 22 years of experience in the pest management industry and has been using various equipment including infrared imagers to detect the extent of structural problems associated with pest infestations.

**Lynne Strickland, B.Sc.,** is an environmental consultant currently working towards her degree in interior design. Her previous academic background in microbiology and chemistry led to a particular interest in mould assessment and remediation issues. Her experiences have led to a focus on communication aspects in ensuring the successful progression of projects and goals.

**Paul Battle, Principal, Invironments Inc.,** is a independent building investigator. Certified in 1995 as a building biologist and a Bau-Biologie environmental inspector. Paul inspects both residential and commercial buildings for general IAQ issues. He is a mold and moisture specialist and experienced grow house inspector where moisture where mold and moisture issues are common.

**McGregor Pearce,** is a private consultant on indoor air quality, moisture and microbiological problems. He has investigated thousands of homes and buildings. He specializes in water damage cases, and designs mold clean-up protocols. He deals with health issues pertaining to exposure to microbiological contaminants. Mac Pearce has been a frequent speaker at building symposia and professional cleaning conferences. He has taught hundreds of classes on indoor air quality issues. He favors a building science approach to solving indoor air quality problems. He is an active researcher on developing new strategies for creating durable sustainable buildings.



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## Full Day Agenda

- 8:00 – 8:40**      **Registration – Coffee**
- 8:35 – 8:40**      **Welcome & Opening Remarks**      *Helene Roche, President BECOR*
- 8:40 – 8:45**      **Introductions and Agenda**      *Tony Colantonio, Vice-President BECOR*
- 8:45–9:15**      **Agents of Deterioration in Wood**      *Dr. Paul Cooper, U Of T*  
This presentation discusses favored conditions and requirements for wood degrading organisms.
- 9:15–9:45**      **Type, Nature and Risk of Insect and Fungal Damage**      *Dr. Paul Cooper, U Of T*  
Dealing with conditions favoring fungal and insect attack and how to detect their presence.
- 9:45–10:15**      **Conditions Favoring Decay or Insect Attack**  
**Risk Reducing Design Features**      *Dr. Paul Cooper, U Of T*  
Good building design can reduce the chance of decay and insect attack. Knowledge of design features that increase risk will help detect problem areas while good design features will help avoid problems.
- 10:15–10:30**      **Health / Refreshment Break**
- 10:30–11:00**      **Preventative Solutions and Wood Preservative Options**      *Dr. Paul Cooper, U Of T*  
In some conditions, deterioration problems are unavoidable by design. The options for protecting wood and solutions for remedial treatment of decaying wood will be discussed.
- 11:00 – 12:00**      **Pests Found In Buildings, Detection Methodologies**      *Ted Berdowski, EPM*  
**Building Design and Other Green Solutions for Eradication**  
Pests come in all different forms and sizes, detection methods include visual and high tech non-destructive options prior to destructive verification. Various options for eradication and return of problems will be discussed.
- 12:00 – 1:00**      **Lunch Break**
- 1:00 – 1:45**      **Communication Aspects To Resolving IEQ Issues**      *Lynne Strickland*  
This presentation focuses on identifying detrimental and beneficial communication strategies in order to increase successful resolutions. There are many opportunities for poor communication to undermine the process.
- 1:45 – 2:30**      **Moisture Meters and Building Inspections**      *Paul Battle, Invironments Inc.*  
This session explores the types of available moisture sensors and their use in building inspections.
- 2:30 – 2:45**      **Health / Refreshment Break**
- 2:45 – 3:30**      **Fungal Wall Damage, Case Studies**      *McGregor Pearce*  
Examples of material and structural damage will be used to discuss consequences of moisture problems within building envelopes and resultant cost implications to owners and occupants.
- 3:30 – 4:15**      **Building Diagnostics and Repair Options**      *McGregor Pearce*  
Diagnostic methodologies for various types of moisture problems will be outlined in conjunction with their repair options.
- 4:15 – 4:25**      **Closing remarks**      *Tony Colantonio, Vice-President BECOR*



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## Registration Form

Name		
Title		
Company		
Address		
City	Province	Postal Code
Telephone	Fax	E-mail

### Registration Information

(Please circle or check-mark appropriate fee level.)

2007-08 SPMAO &  
BECOR Members

Non-Members

Seminar Fees	\$200 + \$12.00(GST) =\$212.00	\$275+\$16.50 (GST) =\$291.50
Students	\$75+\$4.50 (GST) =\$79.50	\$100+\$6.00 (GST) =\$106.00

**Note: Please Register Early. Registration at the door may be limited by seating capacity.**

*Method of Payment:*

**If Paying by cheque: Complete the Registration form, make cheque payable to BECOR. Mail registration form and cheque to:**

**Tina Bradshaw  
c/o Halsall Associates Limited  
Suite 4001  
210 Gladstone Avenue  
Ottawa, Ontario**

N.B. Payment by  
cheque must be  
received by  
**October 3, 2007.**

**If paying by credit card, please indicated: VISA [ ] or MASTERCARD [ ]**

Card #: \_\_\_\_\_ Expiry Date: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Signature: \_\_\_\_\_

**The information above must be completed and this page faxed to Tina Bradshaw at:  
Halsall Associates Limited (613) 237-2935; (Tel: 237-2462 ext. 222)**

For further information about this seminar, contact Tony Colantonio at (819) 956-3401