

Dr. Richard Cote, through his consulting firm RCC, is dedicated to helping architects, builders and urban designers design sustainable and efficient communities by integrating plants as “living machines” within design. Dr. Cote makes recommendations on work habits, practices and methodologies and brings an integrated and holistic solution to modern urban issues. Dr. Cote completed his undergraduate degree at the University of Guelph, Horticulture Science and his post doctoral studies at the Forest Microbiology Division of INRA, Nancy, France. In addition to his consulting work, Dr. Cote teaches for Conestoga College in the Horticulture program.



**CONESTOGA**  
Connect Life and Learning

[www.conestogac.on.ca](http://www.conestogac.on.ca)

# Green *roof*



## Seminar Dates:

March 27 10am -1pm  
March 29th 6:30pm - 9:30pm



**CONESTOGA**  
Connect Life and Learning

Join speaker and scientist, **Dr Richard Côté** for this informative seminar on Green Roofs.

The number of green roofs built in North America has been increasing exponentially over the last 10 years. Their popularity is not only due to the added esthetic value that vegetative roofs bring to our cities, but also to their role in resolving a variety of urban issues. In fact, green roofs can be designed to accomplish many functions: storm water management, energy saving, mitigation of urban heat island effect, air quality improvement, increase biodiversity and many more. The integration of green roofs within urban development master plans result in cities with increased sustainability and livability. Many cities across North America have adopted incentives to encourage the construction of green roofs. In May 2009, the City of Toronto was the first municipality in North America to adopt a bylaw to require and govern the construction of green roofs on new development, making Southern Ontario a "hot spot" for the development of this new green industry and the creation of new green collar jobs.

This seminar will address the benefits of green roofs as well as provide practical information on the following topics

- ✓ **Green roof design**
- ✓ **Green roof installation and maintenance**
- ✓ **Toronto Green roof bylaw**
- ✓ **Green roof and green collar jobs**

**Seminar Dates:** March 27 10am -1pm, March 29th 6:30pm - 9:30pm

**Location:** Elmhurst Inn, 415 Harris Street, Ingersoll, ON N5C 3K1 (401 & Junction Line Rd.)

To register contact Joyce Irving  
voice 519-748-5220 ext. 2200  
email [jjirving@conestogac.on.ca](mailto:jjirving@conestogac.on.ca)

### **PhotoVoltaics – Solar Energy for your Home and Small Business**

*Mike Robinson (CET) – NPP – Natural Power Products*

The Gallery – Elm Hurst Inn    Saturday March 13th    9am -12pm

### **Wind Systems for your Home, Small Business and Farm**

*Mike Robinson (CET) – NPP – Natural Power Products*

The Gallery – Elm Hurst Inn    Tuesday March 2nd    6pm - 9pm

### **Residential Green 101: So what is "GREEN" anyway?**

*Derek Satnik P.Eng., LEED(r) AP- Mindscape Innovations*

Harrison Room – Elm Hurst Inn    Saturday March 6th    9am - 12pm



### **Sustainable Living**

*Mike Robinson (CET) – NPP – Natural Power Products*

The Gallery – Elm Hurst Inn    Tuesday March 16th    6pm – 9pm

### **Geo Thermal / Geo Exchange Systems**

*D. Al Davies –P.Eng - EGS Eco-options GeoSolar*

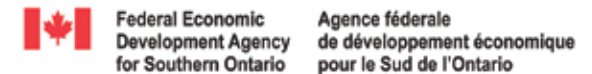
The Gallery – Elm Hurst Inn    Tuesday March 9th    6pm – 9pm

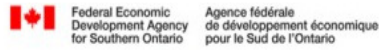
### **Commercial / Industrial Solar Systems and Green Manufacturing in Ontario**

*Cathy MacLellan – ARISE Technologies / KW Green Party Candidate*

The Gallery – Elm Hurst Inn    Thursday March 11th    9am - 12pm

To register contact Shawn Debruyne  
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## LOOKING TO LEARN MORE ABOUT RENEWABLE ENERGY

Ingersoll, ON – Are you interested in learning more about renewable and alternative energy? Are you interested to see how your home, business, institution or industry can turn green?

Conestoga College in partnership with The Town of Ingersoll, and EARTH Corporation with funding received from the Federal Economic Development Agency for Southern Ontario is offering a number of seminars to help everyone understand what renewable energy is, how to use it and what the Green Energy and Green Economy Act of 2009 really means.

**These FREE seminars will be held at Ingersoll's Elm Hurst Inn and Country Spa from January 30 to March 16, 2010 and will range in a number of topics. (Please see detailed list of seminars below for topics and dates / times.)**

“Alternative energy is an important issue for all levels of government,” said Paul Holbrough, Mayor of The Town of Ingersoll. “Ingersoll has partnered with Conestoga College and EARTH Corporation because we want everyone to understand what renewable and alternative energy is all about and how they can become involved. These seminars will answer a lot of the questions about what you can and cannot do on your property or at your business.”

Industry experts will bring relevant information to light and answer questions about how to develop energy efficient homes, businesses and industry.

Key presenters include:

- **Mike Robinson (CET) – Natural Power Products (NPP)**, who developed a home completely off the grid. Robinson will provide an introductory course with helpful tips and basic information about how to be energy efficient and if projects are feasible for your own home or business
- **Derek Satnik P.Eng. LEED(r) AP- Mindscape Innovations**, will be providing information about incentive programs that are currently available
- **D. Al Davies P.Eng - EGS Eco-options GeoSolar**, will be explaining what geo thermal is and how it works
- **Cathy MacLellan – ARISE Technologies**, will be discussing partnerships and how companies can work together on large scale energy projects

Anyone that interested in learning more about the seminars, and their dates / time is asked to visit [www.ingersoll.ca](http://www.ingersoll.ca) and click on the Conestoga College logo for more information.

If you would like to register for one or more of these FREE seminars please, email [rbreedon@ingersoll.ca](mailto:rbreedon@ingersoll.ca) with your preference or phone 519 485 0120 ext 2224.

**For media inquiries, please contact:**

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The Town of Ingersoll  
519-485-0120 ext. 2224  
[rbreedon@ingersoll.ca](mailto:rbreedon@ingersoll.ca)

### **Seminar Delivery Schedule**

Seminars will be delivered variously on Saturday's and weeknights at the Elm Hurst Inn and Country Spa in Ingersoll. <http://www.elmhurstinn.com/>

Each seminar will be offered twice (once on Saturday and once on a week night.)

Refreshments to be provided for participants.

**Understanding Renewable Energy for the Home and Small Business Owner**

**Mike Robinson (CET) – Natural Power Products (NPP)**

**The Gallery – Elm Hurst Inn**

**Saturday, January 30th**

**9 am – 12 pm**

**The Gallery – Elm Hurst Inn**

**Tuesday, February 9<sup>th</sup>**

**6 pm – 9 pm**

You will become familiar with the basics of renewable energy technology with respect to Solar PV, Wind, and Solar Thermal. This workshop will cover the essentials such as: basic system design, the equipment, costs, current incentives, site selection and installation. Upon completion of this workshop you will be able to assess the feasibility of creating your own renewable energy project whether for personal use or corporate implementation. And will give you the resources to further your own research at your own pace, and/or to get professional support moving forward.

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### **PhotoVoltaics – Solar Energy for your Home and Small Business**

**Mike Robinson (CET) – Natural Power Products (NPP)**

<b>The Gallery – Elm Hurst Inn</b>	<b>Tuesday, February 16<sup>th</sup></b>	<b>6 pm – 9 pm</b>
<b>The Gallery – Elm Hurst Inn</b>	<b>Saturday, March 13<sup>th</sup></b>	<b>9 am -12 pm</b>

Explore both the theoretical and practical applications of photovoltaic systems. Participants will gain insight on design concepts, system components, and the application of sun charts to size solar arrays and batteries required. They will also learn the necessary code rules that apply to these installations. Other topics include equipment costs, current incentives, site selection and installation techniques.

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### **Wind Systems for your Home, Small Business and Farm**

**Mike Robinson (CET) – Natural Power Products (NPP)**

<b>The Gallery – Elm Hurst Inn</b>	<b>Saturday, February 20<sup>th</sup></b>	<b>9 am -12 pm</b>
<b>The Gallery – Elm Hurst Inn</b>	<b>Tuesday, March 2<sup>nd</sup></b>	<b>6 pm – 9 pm</b>

Introduction to different types of wind turbines and their components. The benefits of wind technology and adding them to a photovoltaic system. Review of the necessary code rules that apply to these installations. Other topics include equipment costs, current incentives, site selection and installation techniques.

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### **Residential Green 101: So what is "GREEN" anyway?**

**Derek Satnik P.Eng. LEED(r) AP- Mindscape Innovations**

<b>The Gallery – Elm Hurst Inn</b>	<b>Tuesday, February 2<sup>nd</sup></b>	<b>6 pm – 9 pm</b>
<b>Harrison Room – Elm Hurst Inn</b>	<b>Saturday, March 6<sup>th</sup></b>	<b>9 am – 12 pm</b>

*Provides tools, performance standards and resources to help home and building owners/operators understand, measure and compare on-going performance of their building portfolio to help them find efficiencies and improvements to achieve deep reductions in energy use, water use and greenhouse gas emissions, together with related environmental and economic benefits for buildings, homes and communities. Programs and incentives that are available.*

*This session will review the dominant green rating programs in the residential sectors, their commonalities and differences, relative strengths and weaknesses, target markets and applicability, and applicable incentive programs. Come learn about ENERGY STAR for New Homes (and changes coming), Built Green, Solar Ready, Net-Zero Ready, LEED for Homes, and more.*

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### **Sustainable Living**

**Mike Robinson (CET) – Natural Power Products (NPP)**

**Harrison Room – Elm Hurst Inn**

**Saturday, February 6th**

**9 am -12 pm**

**The Gallery – Elm Hurst Inn**

**Tuesday, March 16th**

**6 pm – 9 pm**

Sustainable living is a lifestyle that attempts to reduce an individual's or society's use of the Earth's natural resource and his/her own resources. Topics include growing your own food, heating your home without being reliant on someone else, reducing your carbon foot print and living within your means.

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### **Geo Thermal / Geo Exchange Systems**

**D. Al Davies –P.Eng. - EGS Eco-options GeoSolar**

**The Gallery – Elm Hurst Inn**

**Saturday, February 13th**

**9 am - 12 pm**

**The Gallery – Elm Hurst Inn**

**Tuesday, March 9th**

**6 pm – 9 pm**

Geothermal 101 - A consumer awareness workshop featuring a step by step introduction to the basic concept, design and installation of geothermal energy systems; including how / where to begin, project management, equipment requirements, and installation techniques. Also features an uncomplicated exploration of geothermal energy as a reliable, sustainable and environmentally friendly alternative to conventional heating and cooling. Other topics include; Radiant In-Floor Heating, Government Incentives / Guidelines, Geothermal as a compliment to other Systems.

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### **Commercial / Industrial Solar Systems and Green Manufacturing in Ontario**

**Cathy MacLellan – ARISE Technologies**

**The Gallery – Elm Hurst Inn**

**Thursday, February 18<sup>th</sup>**

**9 am – 12 pm**

**The Gallery – Elm Hurst Inn**

**Tuesday, March 11<sup>th</sup>**

**9 am – 12 pm**

Discussion for partnerships, entrepreneurs and investors to implement large scale energy projects. An overview of the number of jobs expected to be created in Green Manufacturing and revenue projections. Other topics include energy needs and transmission constraints, sufficient labour pools with the required expertise. Supporting the Microfit and FIT programs for Commercial and Industrial systems in Ontario and working with your local utilities. PV technology, showing slides of Cathy's house and other installations and how the system works.

In May of 2006, ARISE Technologies was approached by the German government to build a solar cell manufacturing facility in Germany. The ARISE story demonstrates how green manufacturing could come to Ontario. How ARISE came to build in Germany vs Ontario– the market, the expertise, high unemployment, cheap land, etc. The German Renewable Energy Strategy, Developing the market for PV, the FIT program.



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Opening April 2010