



2013 RPIC SLCAN SUSTAINABLE LABS REGIONAL WORKSHOP
ATELIER RÉGIONAL SUR LES LABORATOIRES ÉCOLOGIQUES
2013 DE L'IBIC ET LECAN

2013 RPIC SLCAN SUSTAINABLE LABORATORY REGIONAL WORKSHOP

The Real Property Institute of Canada (RPIC) and Sustainable Labs Canada (SLCan) have partnered to fulfil an indisputable need for professional development training that supports the sustainability of Canadian laboratories. Teaching, sharing and promoting the development of sustainable labs, as well as showcasing laboratory optimization initiatives, innovative designs and new technologies, are the prime objectives of the inaugural RPIC SLCan Sustainable Laboratory Regional Workshop.

This Workshop, scheduled for September 4-5, 2013 at the Ottawa Convention Centre, will concentrate on the development of technologically advanced, energy efficient, environmentally responsive and sustainable high performance facilities through partnerships across Canada and worldwide, allowing for increased performance and environmental stewardship.

PROGRAM HIGHLIGHTS

Join us for two days of concurrent and plenary presentations featuring national and international perspectives, as well as presenters representing the public, private and academic sectors. The interactive tradeshow and lunchtime supplier presentations will allow participants to get detailed information on emerging and existing technologies and equipment that can support their organizations goals of increased energy efficiency and higher functionality.



REAL PROPERTY
INSTITUTE OF CANADA
INSTITUT DES BIENS
IMMOBILIERS DU CANADA



SUSTAINABLE LABS CANADA
LABS ÉCOLOGIQUE DU CANADA

2013 RPIC SLCAN SUSTAINABLE LABS REGIONAL WORKSHOP

September 4-5, 2013
Ottawa Convention Centre
55 Colonel By Drive, Ottawa, ON



CONFIRMED INTERNATIONAL PRESENTERS

Steffen Springer, Head Global Markets, Waldner Limited, will discuss trends in international scientific facility design and development and provide an overview of the methodology and advantages of a holistic approach ("lab in a box") for lab owners.

David Weber, Vice President, Waldner Inc., will give an overview of the concept of a "Smart Box" which will introduce advanced concepts to increase efficiencies within fume hoods.

Phil Wirdzek, Founding President and Executive Director, International Institute for Sustainable Laboratories (I2SL), will share what's new with I2SL and provide an overview of their upcoming conference.

Chris Ertl, AIA, MBA, LEED AP, Sr. Laboratory Planner, Professional Associate, HDR Architecture, Inc., will look at whole building systems, and laboratory equipment, and will discuss ways to provide comfortable places to do lab work incorporating natural light, collaborative working environments, and teaming space within a sustainable operational model.

FOR FURTHER INFORMATION, PLEASE CONTACT:

2013 RPIC SLCAN SUSTAINABLE LABORATORIES REGIONAL WORKSHOP

1485 LAPERRIERE AVENUE, OTTAWA, ONTARIO K1Z 7S8

TEL 613.729.6117 | FAX 613.729.6206 | EMAIL ADMIN@RPIC-IBIC.CA | WWW.RPIC-IBIC.CA

2013 RPIC SLCAN SUSTAINABLE LABS REGIONAL WORKSHOP

September 4-5, 2013
Ottawa Convention Centre
55 Colonel By Drive, Ottawa, ON



2013 RPIC SLCAN SUSTAINABLE LABS REGIONAL WORKSHOP
ATELIER RÉGIONAL SUR LES LABORATOIRES ÉCOLOGIQUES
2013 DE L'IBIC ET LECAN

SHOWCASING CANADIAN LABS

The Energy Environment Experiential Learning (EEL) a LEED Platinum project at the University of Calgary responds to the necessity to replace aged facilities with new, modern, high caliber research laboratory environment. The designer, *Tim McGinn, PEng, LEED AP, Principal, DIALOG, and owner, Jon Greggs, Director, Campus Planning, University of Calgary*, will discuss how building systems were exposed for teaching and how their design minimizes the use of energy, water and material resources and optimizes the use of daylight to enhance the quality of the indoor environment.

Natural Resources Canada chose to relocate its **CANMET Materials Technology Laboratory** from Ottawa to Hamilton to be closer to the steel and manufacturing sectors it serves through metallurgical research and testing. The new building raises the bar for sustainable design for industrial buildings in Canada, targeting LEED Platinum as well as surpassing the 2030 Challenge threshold at the time of its design. *John Featherstone, OAA, AIA, LEED AP, and Birgit Siber, B. Arch OAA RAIC LEED AP, Principals with Diamond Schmitt Architects*, will discuss the guiding principles applied to the design of the mechanical, electrical, and renewable energy systems and what innovations were incorporated to achieve the target of maximum efficiency with least waste.



REAL PROPERTY
INSTITUTE OF CANADA
INSTITUT DES BIENS
IMMOBILIERS DU CANADA



SUSTAINABLE LABS CANADA
LABS ÉCOLOGIQUE DU CANADA

PRACTICAL IMPROVEMENTS

Through a series of case studies and interactive discussions, *Jay Levine, OAA LEED AP BD+C, Principal, NXL Architects*, and his session participants will look at the opportunities available to facility managers and their design teams for achieving modern, renovated laboratories in outdated buildings.

A key consideration in the modernization or creation of any new laboratory, with its high capital and operational costs, 40-year life-span and ever-evolving research demands and technologies, must be to avoid premature obsolescence. *Rick MacEwen, Partner, Watson MacEwan Teramura Architects*, outlines how future-proofing laboratories aims to ensure they do not become outdated within the near future.

Matthew Crouch, National Segment Manager, Camfil Farr, Inc. (Canada), will work with participants to review and assess the state of their facilities air handling systems, lab air supply and containment systems; share how to reduce energy consumption, waste and labour costs using new technologies/concepts; explain the connection, difference and impact regarding air supplied from within a facility and from exterior sources; and, help identify discrepancies in current practices versus relevant standards, and how to close the gap in practice.

HOW CAN YOU PARTICIPATE?

1. Register and attend
2. Exhibit and showcase
3. Partner and support
4. Not sure? Call us!



FOR FURTHER INFORMATION, PLEASE CONTACT:

2013 RPIC SLCAN SUSTAINABLE LABORATORIES REGIONAL WORKSHOP

1485 LAPERRIERE AVENUE, OTTAWA, ONTARIO K1Z 7S8

TEL 613.729.6117 | FAX 613.729.6206 | EMAIL ADMIN@RPIC-IBIC.CA | WWW.RPIC-IBIC.CA