



2017 SLCAN SUSTAINABLE LABS CONFERENCE

## CALL FOR ABSTRACTS

*2017 SLCAN Sustainable Labs Conference*  
**SUSTAINABILITY BY DESIGN**  
 December 4-5, 2017  
 Montreal, Quebec, Canada



2017 SLCAN SUSTAINABLE LABS CONFERENCE

*“Labs embody the spirit, culture, and economy of our age...what the cathedral was to the 14th century and the office building was to the 20th century, the laboratory is to the 21st century”. (Dan Prowler, US Architect)*

### CONFERENCE OBJECTIVES

*The 2017 SLCAN Sustainable Labs Conference* is a Canadian national forum focused on strengthening the sustainable laboratory community and sharing knowledge, promoting innovation and best practices, as well as providing a platform for strategic thinking and discussion on the challenges and opportunities related to these assets. Following the successes of the 2016 Conference in Edmonton, we are pursuing our efforts to provide participants with the best content for professional development and learning in the field of sustainable laboratories.

**Sustainable Labs Canada (SLCan) and Conference Organizing Committee invite you to submit presentations on your involvement, your expertise and the current and future challenges do you anticipate with respect to the development and management of laboratories. Abstracts are encouraged in, but not limited to the following topics:**

- **Procurement Sustainability:** *Sustainable procurement is a purchasing and investment process that takes into account the economic, environmental and social impacts of spending.*
  - Project Financing
  - Sustainable Purchasing – The purchasing of goods and services offer a significant opportunity to have a broad impact environmentally, socially and economically.
  - Sustainable Procurement of Laboratory Equipment
- **Planning and Programming Sustainability:** *Everyone. Everything. Early.*
  - Integrated Design – Integrated decision-making and participation
  - Integrated Design and Programming Strategies – Importance of process in high performance building design
  - Building Programmatic Orientation – Lab energy zoning
  - LEED V4 vs. laboratories
  - Achieving Flexible Lab Design...On a budget
  - Laboratory Casework
- **Technical Sustainability:** *Sustainable technologies are readily available – the challenge is deploying them optimally.*
  - Laboratory Codes, Standards, and Hazard Assessments
  - Predicting and Quantifying Laboratory Energy Performance
  - Sustainable Equipment for Laboratory Users
  - CSA Z316.5 – Fume hoods and associated exhaust systems
- **Operational Sustainability:** *The alignment of activities with vision through a commitment to consistency and intention.*
  - Balancing Environmental Health, Safety, and Security with Sustainability
  - Carbon Neutrality and Net-Zero Energy for Laboratories and Campuses
  - Laboratory Operations and Maintenance and Management of Change
  - HVAC Control Strategies
  - Sustainable Laboratory Design and Building Systems (New and Retrofit)
- **Social Sustainability:** *Do not harm. Make a positive difference.*
  - Sustainable Lab Recognition Programs
  - “Green Chemistry”
  - The Effect of Human Behaviour on Sustainability Performance of Buildings
  - Be Sustainable – Training Programs
  - Laboratory Conservation and Education at the User Level
  - Reducing Energy Use Through Data-driven Behaviour Change
- **Experimental Sustainability:** *Something Old. Something New.*
  - The research, development, deployment, and widespread diffusion of environmentally sound technologies in the context of a Green Economy.
  - New materials, building systems, design methods, regulations and policies and the effect of these factors and human behaviour on sustainability performance of buildings.
  - Green Roof Technologies
  - Passive Ventilation in Containment...WHAT?!!!



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### ABSTRACTS

Abstracts can be submitted for consideration as oral presentations, poster presentations and case studies. Abstracts should be no more than 500 words and **must** include biographies for all presenters. The abstracts may be submitted in English or French and must be submitted to [info@slcan.ca](mailto:info@slcan.ca).

### Guidelines for submitting abstracts:

All abstracts must be submitted using the abstract submission form. Abstracts will be selected for inclusion in the preliminary program on the basis of a peer review by a panel of experts. Oral presentations and case studies are to be 45 minutes in length.

### Special attention will be given to abstracts that:

- Focus on new developments and technologies;
- Evaluate a completed project's performance by presenting documented results over a period of time; and,
- Are presented by the facility owner.

**Note: One complimentary delegate pass for the Conference will be made available for each accepted presentation. Additional presenters will need to register at the full rate.**

### OFFICIAL LANGUAGES

Initial abstracts may be submitted in English or French. All final abstracts and presentations crediting federal government employee authors must be submitted in English and French. Any organizations with translation capabilities are encouraged to provide their abstracts and presentations in English and French. The translation may follow the revised final version.

### FINAL PRESENTATIONS

PowerPoint (PPT) presentations must be submitted for review by subject experts. Authors of accepted presentations must revise their PPT presentations as required by the reviewers. Revised PPTs are to be submitted by e-mail. The presentations will be made available on the SLCan website ([www.slcan.ca](http://www.slcan.ca)) following the Conference in the members-only section.

### TIPS FOR PRESENTERS (selected abstracts)

- Communicate sustainability in a way that makes it relevant and useful to the particular audience you are speaking to.
- Provide a balance between negative and positive with a focus on the positive.
- Provide a balance between theory, examples and stories, with a focus on the stories.
- Empower the audience with information that will enable them to move forward to do something rather than get frustrated.
- Communicate all sides of the story as effectively as possible.
- Base the presentation on actual experience (own or that of others), not on speculation and wishful thinking.
- Address challenges and trade-offs around sustainability.
- Be engaging and interactive, breaking conventions in presentation style as sustainability requires breaking conventions in the "real world".

Abstract Deadline	June 12, 2017
Author Notification	July 4, 2017
Revised/Translated Abstract Due	July 17, 2017
Draft PPT Due	October 16, 2017
Final (Revised) PPT Due	November 13, 2017
Translated PPT Due	November 27, 2017

For more information please visit the 2017 SLCan Sustainable Labs Conference website: <http://slcan.ca/professional-development/2017-sustainable-labs-conference/>