

Laboratory and Cleanroom Design Conference Hosted by:



Winnipeg, MB Canada
June 9 and 10, 2009

Why LabWize, Inc.

- Professional Development and Networking Opportunity
- Promote Energy Efficiency and Sustainability
- Increasing the Impact of Investments in Research
- Fostering Research Excellence
- Enhancing Learning and Transfer of Knowledge
- Leveraging the Strengths of Government, University and Private Sector

Who should Attend?

- Facilities Managers
- Facility Owners
- Facility Engineers
- Mechanical Engineers
- Maintenance and Operations
- Laboratory Design Architects and Engineers
- Health and Safety
- ASHRAE Members
- Contractors

Sponsored and Supported by:

- CPP, Inc.
- E.H. Price, Ltd.
- Greenheck Fan Corporation
- Met-Pro PRPC Technologies, Inc.
- PharmaMedSci/Interfax Systems Inc.
- Public Works and Government Services of Canada (PWGSC)
- Siemens Building Technologies, Inc.
- Specialty Operations Solutions, Inc.
- Tek-Air Systems, Inc.
- ThermoFisher Scientific

NEW! Reception and Tour of E.H. Price, Ltd.
Hands-On Product Demonstration
Tuesday June 9th.

Sponsored by: E.H. Price, Ltd. and Siemens Building Technologies, Inc.
Limited Space available.

Demonstrations include:

- Lab Air Valves Flow Controls
- Sound Attenuation
- Lab Diffusers Using Smoke Tests to Determine Flow Patterns
- Chilled Beam Technologies

Visit our website at www.LabWize.org
For the 2009 Conference and Webinar Schedules





Labs21 - Laboratories for the 21st Century High Performance, Low Energy Design Course Winnipeg, MB Canada

- 7:45 - 9:00 **Registration & Brunch Tuesday, June 9, 2009**
- 8:30 - 8:50 **Session #1: Introduction**
Joe Phillips, Skidmore, Owings & Merrill, LLP (SOM)
Victor Neuman, PE, Precision Environments Group TAC
- 8:50 - 9:15 **Video: *Labs21: Improving the Performance of Our Nation's Laboratories***
- 9:15 - 10:15 **Session #2: Starting Right: Planning and Programming for High Performance Laboratories**
Joe Phillips, Skidmore, Owings & Merrill, LLP (SOM)
- 10:15 - 10:30 **Break**
- 10:30 - 12:30 **Session #3: Energy Efficient Lab HVAC**
Victor Neuman, PE, Precision Environments Group TAC
- 12:30 - 1:30 **Lunch**
- 1:30 - 2:00 **Interactive Exercise : All Attendees**
- 2:00 - 2:30 **Session #4: Lighting and Daylighting**
Joe Phillips, Skidmore, Owings & Merrill, LLP (SOM)
- 2:30 - 3:00 **Session #5: Commissioning**
Victor Neuman, PE, Precision Environments Group TAC
- 3:00 - 3:15 **Break**
- 3:15 - 3:45 **Session #6: Green Design, LEED ® , Labs21 EPC**
Joe Phillips, Skidmore, Owings & Merrill, LLP (SOM)
- 3:45 - 4:30 **Session #7: Labs21 Toolkit Demonstration**
Victor Neuman, PE, Precision Environments Group TAC
Joe Phillips, Skidmore, Owings & Merrill, LLP (SOM)

Joe Phillips, AIA, MBA - Health and Science Practice Leader Skidmore, Owings & Merrill, LLP (SOM)

Mr. Phillips is responsible for general management and advancing innovation and design excellence for this respected international design practice. Throughout his career, Mr. Phillips has generated significant growth for firms serving healthcare and research organizations. He has been a leader on capital projects worldwide for prominent research and healthcare enterprises and has successfully executed senior management responsibilities over the course of his 20-year career with top architecture and engineering firms. For 15 years prior, Mr. Phillips was a scientist and operations manager responsible for technology development and transfer for healthcare and science organizations leading to the establishment of several successful healthcare service ventures. He has served on the U.S. Green Building Council's Core Committee responsible for the development of the LEED Application Guide for Laboratories.

Victor Neuman, PE - Regional Sales Representative Precision Environments Group TAC

Mr. Neuman has over 26 years of experience in planning, design, and construction of laboratory, research, data center, clean room, educational, governmental, institutional, commercial, and industrial facilities. Mr. Neuman has worked on the design of mechanical and piping systems for over 100 laboratory and research buildings in both the academic and corporate sectors. His largest project was while at Earl Walls Associates where he served as Engineer-of-Record for most of the design phase of a \$120 million lab for Novartis which won the Lab of the Year Award. Mr. Neuman is a recognized expert in lab design and energy conservation. Mr. Neuman also is an original co-author of American National Standards Institute (ANSI) / American Industrial Hygiene Association (AIHA) Z9.5 Standard on Laboratory Ventilation.

LabWize has partnered with the International Institute for Sustainable Laboratories (I²SL), the non-profit co-sponsor of the Labs21 workshops and conference, to host I²SL in offering the Labs21 Introductory Course: High-Performance, Low-Energy Design on June 9, 2009 in conjunction with this event.



About I²SL (www.i2sl.org)

The International Institute for Sustainable Laboratories (I²SL) is devoted to the principles of sustainable laboratories - from design to engineering to practice. Through worldwide partnerships and the exchange of technical information, I²SL will help produce high performance facilities that address the rapid pace of science, medicine, research, and development in an ever-changing and dynamic world.

7:45 - 9:00

Registration & Brunch - Wednesday, June 10, 2009



8:00 - 8:15

Welcome and Introduction to:

Douglas A. Friedman – LabWize, Inc.

8:15 - 9:15

Keynote: LABS21 - A Canadian Perspective

Dwayne Willmer, P.Eng. – PWGSC

9:15 - 10:30

**Advanced Ventilation Design
for Pressurized Spaces: Space Pressurization, Objectives & Designs**

Paul Fuson – Siemens Building Technologies

10:30 - 10:45

Break

10:45 - 12:00

Case Study: Team Approach to Needs Analysis for Laboratories.

James Dykes, Architect, AAA, MRAIC - PWGSC

12:00 - 1:00

Lunch

1:00 - 2:15

Fan Technologies, Energy Efficiency for Laboratories 2009

Tony Rossi – Greenheck Fan

2:15 - 2:30

Break

2:30 - 3:45

Energy Reduction Strategies in Research Animal Facilities

Kurt Last – Specialty Operations Solutions, Inc/

3:45 - 5:00

**Fume Hood Trends in the Industry – Low Flow Fume Hoods and The Comparison of Products In
The Market 2009**

Jon Zboralski – ThermoFisher Scientific

James Dykes, Architect, AAA, MRAIC - Business Transformation Advisor, Resources, Western, PWGSC

Mr. Dykes has over 38 years in the design of University, Healthcare and Research Facilities. He is currently involved with the National Knowledge Laboratory Network. Other Activities include Founding member of the Innovative Practice Group in Architecture; Assistant Adjunct Professor in the Architecture Program at the University of Calgary; Vice-Chair of the NAIT Architectural Advisory Council. He is a member of The Alberta Association of Architects (on Council for 6 years); The AAA/APEGGA Joint Board of Practice; The Royal Architectural Institute of Canada and; Construction Specification Canada

Paul Fuson PE - Sr. Product Manager for Life Sciences and Critical Environments , Siemens Building Technologies, Inc.

Since joining the company in 1984, Paul has held positions in purchasing, product development, marketing and sales management. Paul's earliest work experience was as a design engineer and project manager for a manufacturer of nuclear and gas turbine power generation systems. He holds Bachelor of Science degrees in Mechanical Engineering and Physics from the University of Illinois, and a Masters of Management degree from Northwestern University.

F. Kurt Last - President, Specialty Operations Solutions, Inc.

Mr. Last has more than 20 years experience in programming, design, commissioning and operating laboratory, cGMP pharmaceutical manufacturing and research animal care facilities. Prior to founding Specialty Operations Solutions (SOS) in 1997, Mr. Last was Senior Director of Operations for a cGMP biologics manufacturing company, leading teams charged with Facilities (Research & cGMP Manufacturing) Operations; Calibration & Metrology; Research Animal Care and Security, Environmental Health & Safety. SOS provides programming, design, financing, sciences integration & quality assurance, veterinary & research animal care support, complete (FDA) regulatory services, commissioning & start up, and operations.

Anthony (Tony) Rossi, ME - Director of Laboratory Exhaust Systems - Greenheck Fan Corporation

Anthony (Tony) Rossi, is Director of Laboratory Exhaust Systems, Greenheck Fan Corporation, Schofield, Wisconsin. Tony has a Bachelors & Masters degree in Mechanical Engineering, and has over 30 years experience in the industrial ventilation industry, the past 15 dedicated to laboratory ventilation. An active member in ASHRAE TC 9.10, Lab Systems, Tony has also served on both ASHRAE and ARI standards development committees, as well the Education Committee Chair for ASHRAE Central Indiana.

Dwayne Willmer, P.Eng. - National Director of the Laboratory Market Segment for the Real Property Branch, PWGSC

Mr. Willmer's primary role in this function is to provide Government of Canada laboratory custodians with a central business contact within the Department. PWGSC has a proven history of project managing the planning, design, construction and commissioning of complex laboratories in Canada and abroad. By taking a national business approach to the laboratory market segment within the Government of Canada, PWGSC will continue to provide and sustain the highest level of strategic and technical advisory services, expertise, and best practices in a consistent fashion to all Government of Canada laboratory custodians. Prior to his current assignment, Dwayne was the Regional Director of Professional and Technical Services for the department in Western Region for 10 years, and has a 33 year career in the engineering profession in both the private and public sectors.

Jon Zboralski - Director of Air Products - ThermoFisher Scientific, Inc.

Mr. Zboralski has over 30 years experience in the design and development of laboratory furniture and fume hoods. Involved in the development of the ASHRAE 110 tracer gas test. Serves on the SEFA Fume Hood Committee. He has published, authored and holds numerous patents on airflow related products.

I'd like to attend:
Best Practices for Laboratory Design 2009 Hosted by LabWize, Inc.

Victoria Inn Winnipeg
 1808 Wellington Ave, Winnipeg, Manitoba R3H 0G3

For Hotel Reservations:

Contact: **Victoria Inn Winnipeg**
 (204) 786-4801 to receive 110.00/ Night plus tax, Use Reference Code: "LabWize" before June 1, 2009

Seminars Will Include:

- Continental breakfast and lunch
- Certificate for Educational credits
- LabWize, Inc. presentation materials
- **NEW - SEFA Lab Desk Reference (Upon Request)**

Register at:

www.LabWize.org or CALL: (678) 867-2182 or print out this page, fill it out, and FAX: (678) 867-2183

Event Date	Program	Non-Canadian Government		Government & University		Discount Codes
		List Price US\$	Early Registration US\$	List Price US\$	Early Registration US\$	
6/9	Labs21 Workshop	\$550.00	\$395.00	\$400.00	\$325.00	Government "GOVT"
6/10	LabWize	\$650.00	\$475.00	\$525.00	\$350.00	University "UNIV"
Both Days Two Day Package		\$1,100.00	\$850.00	\$900.00	\$625.00	Member "Member"

Early Registration Before June 2, 2009

For Promotion, type "LabWize" in the comments field on the registration page. Registration is limited each day, so sign up today. To learn more and register, go to www.LabWize.org and click the Seminars link.

Make Checks Payable to "LabWize, Inc." and mail to the address below.

Cancellation Policy: Full refund up to ten (10) days prior to event with written notice.

LabWize, Inc. is committed to hosting green meetings and ensuring that all environmental aspects are considered. Therefore, all presentation materials will be available for download prior to the event for registered attendees.

Instructions for download to Attendees will be e-mailed one (1) week prior to the event.

I Wish to Attend the Tour of E.H. Price, Ltd. On June 9th.

Name: _____ Title: _____

Company: _____

Address: _____

City: _____ State/Province: _____ ZIP: _____ Country: _____

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