

Laboratory and Cleanroom Design Conference Hosted by:



Baltimore, MD
October 7 and 8, 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:

- Affiliated Engineers, Inc. (AEI)
- Francis Cauffman
- Gilbane Building Company
- Greenheck Fan Company
- MouseCare
- Perkins+Will
- The Johns Hopkins University
- Skidmore, Owings, & Merrill, LLP (SOM)
- Siemens Building Technologies, Inc.
- Specialty Operations Solutions, Inc.
- ThermoFisher Scientific



Visit our website at www.LabWize.org
For the 2009/2010 Conference and Webinar Schedules

Starts 7:30 AM Registration & Brunch - Wednesday, October 7, 2009

8:00 - 8:15 Welcome and Introduction by: Douglas A. Friedman – LabWize, Inc.



**8:15 - 9:30 Energy Reduction Strategies in Research Animal Facilities
Kurt Last – Specialty Operations Solutions, Inc.**

**9:30 - 10:45 The Recent Evolution of Institute of Health Towards More Sustainable Policies In The Design, Construction, and Operations of its Facilities
Mark Rahe and Jeff Welter - Perkins+Will
Krishnan Ramesh –Affiliated Engineering Inc.**

10:45 - 11:00 Break

**11:00 - 12:15 Obtaining an Energy-Efficient Grant for Cost-Effective Vivarium Expansion
Germain F. Rivard, DVM, PhD – MouseCare**

12:15 - 1:15 Lunch

**1:30 - 2:45 Fan Technologies, Energy Efficiency for Laboratories 2009
Matt Gaedtke – Greenheck Fan**

2:45 - 3:00 Break

**3:00 - 4:15 The Evolving Role of your Contractor in Commissioning
William Lefevre and Jeffrey Schramm – Gilbane Building Company**

4:45 - 6:00 Reception Networking and Exchange of Ideas - includes wine, beer and Cheese

Matt Gaedtke - Sales Marketing Manager, Centrifugal and Industrial Fans - Greenheck Fan Corporation

Matt has over 12 years of HVAC experience with Greenheck Fan Corporation. Along with providing technical support to owners, engineers and contractors on the selection and use of Greenheck's commercial and industrial products, Matt also plays an active role in developing new products and training customers on latest ventilation technology. He has conducted numerous presentations on Fan Fundamentals, Sound, Vibration, as well as Laboratory Exhaust Ventilation. Matt graduated from the UW Madison in 1994 with a BS in Mechanical Engineering and completed his MBA through UW Oshkosh.

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.

William Lefevre, Senior Project Executive Life Sciences Center of Excellence Leader - Gilbane Building Company

Bill has over 31 years of Construction Management experience, having spent 20 years working in the BioPharmaceutical and Biocontainment sectors. He is leader of Gilbane's LifeScience Center of Excellence, providing technical support and overview management for all of Gilbane's LifeScience projects nationally. A shortlist of Bill's recent projects includes: Commissioning Director at Fort Belvoir Community Hospital, Ft. Belvoir, VA; Project Executive on Pre-Con team and Commissioning Director at Charles River Labs, Reno, NV; Project Executive at Medical College of Wisconsin/Children's Hospital Biomedical Research Facility, Milwaukee, WI.

Mark Rahe, AIA, LEED® AP, Associate Principal – Perkins+Will

Mark has served as senior designer for some of Perkins+Will's most complex teaching and research laboratory projects. Mark works directly with end users to meet their present and future needs with innovative design solutions, and to coalesce their research missions and collective visions into world-class facilities. He has a strong background in the development of construction documents, engineering systems coordination, and project management. Mark has also been involved with managing many other project types including education, hospitality and aviation.

Krishnan Ramesh, PE, Principal –Affiliated Engineering Inc.

Krishnan Ramesh is the Managing Principal of the Metro DC office of Affiliated Engineers, Inc. (AEI). As a registered professional Mechanical Engineer with over 23 years of experience, his career has focused on large-scale, complex research facilities for many of the country's well-known institutions such as National Institutes of Health, Memorial Sloan-Kettering, Johns Hopkins Hospital, the Medical College of Wisconsin and numerous federal agencies. Mr. Ramesh has extensive experience in planning, engineering and design of research and development, institutional and healthcare facilities. His design experience includes hospitals, laboratories, vivaria, and central utility plants.

Germain F. Rivard, DVM, PhD - MouseCare

Germain Rivard DVM, PhD, has extensive training and experience in laboratory animal science and medicine as well as animal facility design and planning. Also, Dr. Rivard is a seasoned researcher who has attracted public and private investments, nearly \$8M for research & development involving engineering controls of barrier rodent facilities. Most recently, Dr. Rivard was awarded a grant on energy-efficiency from New York State Energy Research and Development Authority [NYSERDA]: "Engineering Controls Improvements of Barrier Facility for Rodent Production". Also, he is currently the Director and a research faculty member at Michigan Technological University where he has a research program on sustainable design and construction of vivarium. In addition, Dr. Rivard is the owner of a consulting business called MouseCare and has published about energy-efficiency in rodent facilities.

Jeffrey Schramm, Vice President and District Manager Director of Federal Projects - Gilbane Building Company

Mr. Schramm is Director of Federal Projects in the Mid-Atlantic Region. He is responsible for providing sales support and operational oversight on projects under his control. Mr. Schramm has worked in the construction industry for the past 27 years for Contractors, Architects, and Developers. He is a key member of Gilbane's Health Care, Life Sciences and Government Centers of Excellence which serves clients building health care, biocontainment, hi-tech laboratory, pharmaceutical and biotechnology facilities in the Private, Public and University sectors. In his career, he has managed significant, high-profile projects for the USACE, NIAID, the NIH, DHS and the GSA, as well as numerous other public sector, private Sector and University clients.

Jeffery W. Welter, LEED® AP, Principal – Perkins+Will

Mr. Welter is a Principal in the Washington, DC office and leads the Science + Technology practice. With over 26 years of architectural, project management and construction experience, he has led large multi-faceted and multi-disciplined teams. Worked on a variety of project types, including science & technology, federal, corporate, commercial, healthcare, and high security. Mr. Welter is known for listening to client's needs while working in collaboration with his partners and project teams to create comprehensive and integrated project delivery. Mr. Welter has worked on the development and construction of numerous highly technical projects with National Institutes of Health including Dale and Betty Bumper Vaccine Research Center, the Porter Neuroscience Research Center, and the Integrated Research Facility at Rocky Mountain Laboratories. In addition to overseeing and managing projects.

Starts 7:30 AM Registration & Brunch - Thursday, October 8, 2009



8:00 - 8:15 Welcome and Introduction by: Douglas A. Friedman – LabWise, Inc.

**8:15 - 9:30 New Money For Labs: Tips for Responding To The Federal Initiative
Marc Ferrer, RA – Francis Cauffman**

**9:30 - 10:45 Fume Hood Trends in the Industry – Low Flow Fume Hoods and The Comparison of
Products In The Market 2009
Jon Zboralski – ThermoFisher Scientific**

10:45 - 11:00 Break

**11:00 - 12:15 Savings, Safety and Sustainability: The Financial Aspects of Risk Management and
Environmental Responsibility in Science Facilities
Joe Phillips, AIA, MBA – Skidmore, Owings & Merrill, LLP (SOM)**

12:15 - 1:15 Lunch

**1:30 - 2:45 Method to Estimate The Exposure of Laboratory Worker to Volatile Chemicals
John A. Schaefer CIH – The Johns Hopkins University**

2:45 - 3:00 Break

**3:00 - 4:15 Advanced Ventilation Design
- Pressurized Spaces: Space Pressurization, Objectives & Designs
Paul Fuson – Siemens Building Technologies**

Marc H. Ferrer, RA, Director of Laboratory Planning & Design - Francis Cauffman

Mr. Ferrer is a registered architect with 28 years of professional experience in large & small scale projects. He has been a leading expert in laboratory planning & design for the last 21 years. He brings to his clients a depth of knowledge spanning all sectors of science & technology projects as a planner, programmer, designer and project architect on many major research facilities nationally and internationally for corporate, governmental and academic clients. He guides the scientific users through the planning, programming & design process as an advocate for creative scientific environments, promoting innovation, productivity & safety. His experience includes research laboratories, animal, high-containment, scale-up and clinical facilities. He has published and presented in numerous national periodicals and conferences as leading expert in vivarium and high containment facilities.

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.

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.

John A. Schaefer, MSF, CIH, HEM, CPEA – The Johns Hopkins University

Mr. Schaefer has thirty- five years experience in research, analytical laboratories and industrial hygiene twenty of those years with Johns Hopkins University where he currently is the Associate Director of Health Safety and Environment. He serves as a member of the part-time faculty as an Assistant Professor for Johns Hopkins School of Medicine in Occupational Medicine and Johns Hopkins Bloomberg School of Public Health in Environmental Health Sciences. He is a certified Industrial Hygienist, A Certified Healthcare Environmental Manager and a Certified Professional Environmental Auditor in Health and Safety. He has co authored over fifteen publications on topics related to occupational safety.

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, author and holds numerous patents on airflow related products.

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

Four Points by Sheraton BWI Airport
7032 Elm Road, Baltimore, MD. 21240

For Hotel Reservations:

Contact: **Four Points by Sheraton BWI Airport**
(410) 691-9827 to receive \$125.00/ Night plus tax, Use Reference Code: "LabWize" before October 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	List Price		Early Registration		Government, University, Member		Discount Codes
		US\$	US\$	US\$	US\$	US\$	US\$	
10/7	Day 1	\$650.00	\$475.00	\$525.00	\$350.00			Government "GOVT"
10/8	Day 2	\$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 September 25, 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.

Are you Attending to Wednesday Night Reception? Yes No

Name: _____ Title: _____

Company: _____

Address: _____

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

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