

# Laboratory and Cleanroom Design Conference Hosted by:



**Georgia Tech Conference Center  
Atlanta, GA  
March 10 and 11, 2010**

## **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
- Environmental Health & Safety
- Laboratory Design Architects and Engineers
- ASHRAE Members
- Contractors

## **Sponsored and Supported by:**

- CPP, Inc.
- Georgia Institute of Technology
- Greenheck Fan Company
- Lord Aeck Sargent Architecture
- Siemens Building Technologies, Inc.
- Specialty Operations Solutions, Inc.
- Tek-Air Systems, Inc.



**Visit our website at [www.LabWize.org](http://www.LabWize.org)  
For the 2010 Conference Schedule**

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**Starts 8:00 AM Registration & Brunch - Wednesday, March 10, 2010**

**8:45 - 9:00 Welcome and Introduction by: Douglas A. Friedman – LabWize, Inc.**



**9:00 - 10:30 Balancing Sustainability and Laboratory Safety**  
**Deborah Wolfe-Lopez - Laboratory and Chemical Safety Manager,**  
**Mark Demyanek - Assistant Vice President, Environmental Health and Safety (EHS)**  
**Georgia Institute of Technology**

**10:30 - 10:45 Break**

**10:45 - 12:15 Case Study: The Complexities of Integrated Programs**  
**Jerry Percifield, AIA – Lord Aeck Sargent Architecture**

**12:15 - 1:15 Lunch**

**1:15 - 1:30 Introduction to Sponsors**

**1:30 - 3:00 Fume Hood Trends in the Industry – Low Flow Fume Hoods and The Comparison of Products In The Market 2010**  
**Jon Zboralski – Thermo Fisher Scientific, Inc.**

**3:00 - 3:15 Break**

**3:15 - 4:45 Energy Reduction Strategies in Research Animal Facilities**  
**Kurt Last – Specialty Operations Solutions, Inc.**

**4:45 - Open Discussion - Please submit topic**

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#### **Mark Demyanek - Assistant Vice President, Environmental Health and Safety (EHS), Georgia Institute of Technology**

Mark leads the EHS Department at Georgia Tech, which is comprised of twenty professionals who guide the institute community in meeting its safety, public health and environmental compliance responsibilities by providing services in Chemical / Laboratory Safety, Bio-safety, Radiation Safety, Hazardous Materials Management, Fire Safety and Occupational Safety. Prior to joining Georgia Tech, Mark was the Assistant Vice Chancellor for Compliance and Operations for the Board of Regents of the University System of Georgia (USG) – where he led the effort to develop the USG's Laboratory Design Criteria. Overall, Mark has 26 years of experience in the EHS field. Mark holds an MS Degree in Technology & Science Policy from Georgia Tech and a BS Degree in Industrial Safety Science from Indiana University of Pennsylvania. He is a Certified Industrial Hygienist (CIH) and a Certified Safety Professional (CSP), both in comprehensive practice.

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#### **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.

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#### **Jerry Percifield, AIA – Principal and Senior Laboratory Planner , Lord Aeck Sargent Architecture**

With nearly 30 years of experience as an architect, he specializes in the planning and design of science research laboratories and animal facilities for the academic sector; and research and development facilities, technical facilities and pilot development/manufacturing facilities for the pharmaceutical and other life sciences industries. Jerry attended the University of New Mexico, where he received his Master's degree in architecture and Bachelor's degree in fine arts. He also holds a certificate in biotechnology research lab design from Harvard University.

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#### **Deborah Wolfe-Lopez - Laboratory and Chemical Safety Manager, Georgia Institute of Technology**

Ms. Wolfe-Lopez has been employed as a research laboratory technician for the National Institutes of Health and in the private sector and has worked as an Industrial Hygienist in biotech research, aerospace manufacturing, a commercial bakery, and, for the last 8 years, at Georgia Tech where her title is Laboratory and Chemical Safety Manager. She earned a Bachelor of Science Degree in Biology from the University of Arizona and Master of Science in Public Health with an Emphasis in Industrial Hygiene from San Diego State University.

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#### **Jon Zboralski - Director of Air Products - Thermo Fisher 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

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- Starts 8:00 AM**    **Registration & Brunch - Thursday, March 11, 2010**
- 8:45 - 9:00**    **Welcome and Introduction by: Douglas A. Friedman – LabWize, Inc.**
- 9:00 - 10:30**    **Georgia Tech Lab Standards and Practices**  
**Greg Spiro P.E. LEED AP—Georgia Institute of Technology**
- 10:30 - 10:45**    **Break**
- 10:45 - 12:15**    **Fan Technologies, Energy Efficiency for Laboratories 2010**  
**Ron Wendorski – Greenheck Fan Company**
- 12:15 - 1:15**    **Lunch**
- 1:15 - 1:30**    **Introduction to Sponsors**
- 1:30 - 3:00**    **Fan Energy Saving Techniques for New Design and Retrofits**  
**Ron Petersen, PhD - CPP, Inc.**
- 3:00 - 3:15**    **Break**
- 3:15 - 4:45**    **Control Systems for Laboratories and Airflow Measurement Processes**  
**Charles Claussen - Tek-Air Systems, Inc.**
- 4:45 -**    **Open Discussion - Please submit topic.**
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**Charles Claussen - Regional Manager, Tek-Air Systems, Inc.**

Mr. Claussen has been involved with projects ranging from Chemical Labs and Pharmaceutical Labs, to Isolation Rooms and Maximum Containment BSL-4 Labs. He has an extensive background in Building Automation, Industrial Plant Controls, and Process Controls. Charles travels extensively to train and consult with engineers on the methods of flow measurement and its benefits to safe design of all kinds of laboratories. Tek-Air was awarded the ASHRAE AHR Product Innovation award for 2008, for their innovative Accuvalve.

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**Ron Petersen PhD - Principal/Vice President, CPP, Inc.**

Dr. Petersen, has over 30 years experience in exhaust/intake evaluations, air quality assessments, atmospheric dispersion, wind-tunnel modeling and numerical modeling. Dr. Petersen has conducted numerous studies related to exhaust/intake design and pollutant transport in complex environments for many university, petrochemical, pharmaceutical, hospital, commercial and government clients. He has been the Principal Investigator on three ASHRAE research projects related to exhaust and intake design and the results of this research have been published in the ASHRAE Journal and included in ASHRAE Fundamentals. Over the past five years, he has presented at the Laboratories for the 21st Century Conference on topics related to exhaust and intake design. In January of 2004 and 2006 he gave a short course for ASHRAE on designing exhaust systems and regularly provides training for architects and engineers on the topic through the educational organization LabWize He has authored or coauthored over 300 technical papers and/or presentations.

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**Greg Spiro P.E. LEED AP - Senior Mechanical Engineer for Facilities Design and Construction, Georgia Institute of Technology**

Mr. Spiro is a licensed engineer with over 16 years of HVAC systems design experience. For the past 11 years Greg has served as Georgia Tech's Senior Mechanical Engineer for Facilities Design and Construction. Greg has worked with Research Scientists from a wide array of fields in developing their laboratories. Greg has served as project manager, engineer of record, facilities engineer and owner's representative throughout his time at Georgia Tech. Greg is a LEED AP and has taken an active role in promoting and enforcing Georgia Tech's standards and sustainability initiatives.

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**Ronald Wendorski - Engineering Manager Laboratory Exhaust Systems, Greenheck Fan Company**

Mr. Wendorski heads the Greenheck Laboratory Exhaust Systems Engineering Department which is responsible for new product development, product certification, product customization and field support of Greenheck laboratory exhaust fans. He has ten years experience in commercial, institutional and industrial HVAC product development. Ronald holds a Bachelor of Science in Mechanical Engineering from Milwaukee School of Engineering and a Master of Science in Project Management from the University of Wisconsin Platteville.

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**I'd like to attend:**  
**Best Practices for Laboratory Design 2010 Hosted by LabWize, Inc.**

**Georgia Tech Hotel & Conference Center**  
 800 Spring St. NW Atlanta, GA 30308

**For Hotel Reservations:**

Contact: **Georgia Tech Hotel & Conference Center**

(404) 838-2100 to receive \$139.00/ Night plus tax, Use Reference Code: "LabWize" before March 3, 2010

**Seminars Will Include:**

- Continental breakfast and lunch
- LabWize, Inc. presentation materials
- Certificate for Educational credits

**Register at:**

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

| Event Date                | Program |                    |                            | Government, University, Member<br>ASHRAE, AIA ASTM, NBO,<br>NEBB, ASPE |                            | Discount Codes<br><br>Type Code or Association<br>in Discount Box On<br>Registration Form |
|---------------------------|---------|--------------------|----------------------------|--|----------------------------|---|
|                           |         | List Price<br>US\$ | Early Registration<br>US\$ | List Price<br>US\$   | Early Registration<br>US\$ |   |
| 03/10                     | Day 1   | \$650.00           | \$425.00                   | \$525.00   | \$300.00                   | Government "GOVT"   |
| 03/11                     | Day 2   | \$650.00           | \$425.00                   | \$525.00   | \$300.00                   | University "UNIV"   |
| Both Days Two Day Package |         | \$1,100.00         | \$790.00                   | \$900.00   | \$575.00                   | Member "Member"   |

**Early Registration Before March 1, 2010**

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](http://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.

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