



REGISTRATION

FEES:			<i>Late (after Oct. 30)</i>
Certified Supervisor/Designated Rep. from Member Firm	\$65	\$85	
Add'l Employee of Member Firm	\$45	\$65	
ASHRAE	\$75	\$95	
Non-Members	\$165	\$185	

Includes lunch and handout materials

Name(s): _____

Employer: _____

Company Address: _____

City/State/Zip: _____

Company Phone: _____

Email: _____

(for confirmations only)

Mail Registration and Make Checks Payable to:

Wisconsin Environmental
Balancing Bureau (WEBB)
10427 W. Lincoln Avenue, Suite 1600
Milwaukee, WI 53227

Any questions: Call 414-543-7622
or email linda@pmsmca.com



BEST WESTERN MIDWAY
HOTEL,
BROOKFIELD

WISCONSIN ENVIRONMENTAL BALANCING BUREAU
10427 W. Lincoln Ave., Suite 1600
Milwaukee, WI 53227

Phone: 414-543-7622
Fax: 414-543-7626
E-mail: linda@pmsmca.com



Wisconsin Environmental Balancing Bureau

2013 Annual Educational Seminar

November 4, 2013

Best Western Midway in Brookfield
1005 S. Moorland Rd.
Brookfield, WI

**6 PDHs -
Professional
Development Hours**





AGENDA

- 8:15 a.m. **WEBB Members: Annual Meeting**
- 8:30 a.m. Len Damiano — EBTRON
Pressurization & Outdoor Air Measurement and Control Solutions for Optimizing High Performance Buildings
- 9:45 a.m. Break
- 10:00 a.m. Wade Smith — AMCA International
High Performance Air Systems
- 11:30 a.m. Lunch
- 12:30 p.m. Wade Smith — AMCA International
Federal Rulemaking on Fan Efficiency
- 2:15 p.m. Break
- 2:30 p.m. Sean McGlenn — Class I Air, Inc.
Air Filters: Increasing Efficiency and Saving Energy
- 4:00 p.m. Conclusion

Note:

6 PDHs available for Engineers and Architects

ABOUT THE PROGRAMS

Pressurization & Outdoor Air Measurement and Control Solutions...—This presentation will examine the reasons why outdoor air measurement and dynamic pressurization control are needed and the challenges we face in providing reliable determinations. It will also provide a summary of the performance differences between instrument designs and technologies. Finally, it presents a comparison between NEBB requirements for instruments and at least one other candidate to highlight a potential area of improvement to NEBB Procedural Standards for Certified TAB Airside Activities.

High Performance Air Systems—AMCA members recently formed a task group to define, evaluate and promote the best-efficiency and most cost-effective alternatives our industry has to offer. Modern electronic controls and more efficient air system components coupled with world class design practices emerged. A properly designed air system with efficient components and optimized controls compares favorably in both installed cost and operating expense to emerging systems alternatives that use water or refrigerant as the energy transport fluid. Wade Smith will describe the “High Performance Air System” attributes, and explain why it costs less to install and operate than its wet-system counterparts.

Federal Rulemaking on Fan Efficiency—In June of 2011, the federal Department of Energy (DOE) published notice of its intent to regulate commercial and industrial fan efficiency levels. This notice has inspired a negotiation between manufacturers and environmental advocates endorsed by the rule-makers in Washington DC. Before the process ends, fan and air system efficiency requirements will emerge in many forms in addition to DOE regulation – in ASHRAE standards, that means energy codes and utility rebate programs. New product labeling schemes are being proposed to make code enforcement easier. Learn what has changed, what is coming, and when.

Air Filters: Increasing Efficiency and Saving Energy- This topic will cover the different levels of efficiency of air filters and what can be done to save energy while increasing the efficiency of the filters. It will help people learn whether you are saving energy or wasting it when you increase the efficiency of the filter.

ABOUT THE SPEAKERS

Len Damiano is Vice President - Marketing and International Sales at EBTRON, Inc. where he has been employed for about 18 years. He received an M. B. A. with concentrations in Management and Industrial Marketing at Rockhurst University in Kansas City; and possesses a B. A. with a double major in Sociology and Economics from the University of Missouri. Len has been a Member of ASHRAE since 1987.

Sean McGlenn has been in the filter industry for more than 12 years. Some of his responsibilities are sales and service, including cost studies to help end users and engineers select the filter for the best overall use.

Wade Smith grew up in Cedarburg Wisconsin. He is a 1972, University of Wisconsin-Madison engineering graduate and registered professional engineer. After college, he joined the Trane Company in La-Crosse, Wisconsin where he spent 24 years in product and general management. In 1996, he left Trane to start his own New-Jersey-based business, manufacturing and installing a Zigbee-radio-based apartment sub-metering system, that evolved into Zigbee-based monitoring and control of system performance. Wade sold his interest in the sub-metering company two-and-a-half years ago, when he returned to the Midwest and became the executive director of the Air Movement and Control Association (AMCA) in Arlington Heights, Illinois, close to Chicago.

