

57th  
1958-2014



## North Carolina Industrial Ventilation Conference

### in cooperation with:

University of North Carolina-Chapel Hill, School of Public Health,  
North Carolina Occupational Safety & Health Education & Research Center  
NC Department of Labor, Division of Occupational Safety & Health  
NC Division of Public Health, Department of Health & Human Services

May 5-9, 2014

Clarion Hotel State Capital  
Raleigh, NC

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The Conference uses “guided design” where multiple instructors are in the classroom to assist on the problems being solved and presentation of information. The course utilizes the new 28th edition of the **Industrial Ventilation Manual** or **The Operation & Maintenance Manual** (which is provided to each participant) and supplements it with problems showing the principles of design, testing and troubleshooting. In addition, there are several demonstrations of system operation where the student will take airflow, pressure, amperage and other readings in our fan/system laboratories to learn the principles of measurement and analysis.

### Congratulations to those receiving certificates in May 2013!

#### Certificate in Industrial Ventilation Design

- Jamie Johnson-BAE Systems
- Andrew Neill-Hipp Engineering
- Bradley Reese-Shurtape Technologies
- Susie Strohschein-Air Systems Corp.

#### Certificate in Industrial Ventilation Operation & Maintenance

- Ben Taecker-Johnson Controls

### THE 57th NC INDUSTRIAL VENTILATION CONFERENCE INCLUDES:

- An expanded review of the Physics of Air with a more in depth look at all the properties that affect the problems facing today’s designer and regulator.
- How to design systems where temperature and moisture may be present
- How to use the *Perfect Gas Equation* to look at non-standard gas streams like products of combustion and VOCs
- A detailed look at the fan and how it is specified, measured and analyzed
- Courses in industrial hygiene basics as well as an introduction to monitoring & troubleshooting of industrial ventilation systems
- A basic primer on the skill set needed by today’s designer, operator and regulator of air system design.
- An expanded focus on energy efficiency and the use of problems in which energy costs for systems are calculated.

### PLAN OF INSTRUCTION

There will be 3 levels of instruction during the 2014 Conference:

- Basic Industrial Ventilation Skills
- Advanced Ventilation Design
- Operation & Troubleshooting

### DON’T MISS THE OPTIONAL WORKSHOP ON FRIDAY, MAY 9! SYSTEM EFFECTIVENESS—Am I in Compliance?

- Estimating, Guaranteeing, and Validating of your System
- How do you evaluate how or if your hoods, air cleaning devices, or stack emissions are in compliance?
- Crystalline Silica issues
- Combustible Dusts
- Ventilation for Health Care

### TAKE ADVANTAGE OF OUR CERTIFICATE AND CREDIT OFFERINGS

In collaboration with the UNC Occupational Safety and Health Research Center we offer an optional Certificate in Industrial Ventilation Design and a Certificate in Industrial Ventilation Operation and Maintenance.

**Professional Development Hours (PDHs) Available**- 30 Contact Hours (Conference). The Industrial Ventilation Conference is an approved sponsor of continuing professional competency requirements for the NC Board of Examiners for Engineers and Surveyors.

### CIH Maintenance Points Available.

The American Board of Industrial Hygiene will award Certification Maintenance Points to CIHs who satisfactorily complete any level of the conference. Estimated CM Points for Conference - 4.0

www.ncindustrialventilation.com

## Sign me up for the 57th North Carolina Industrial Ventilation Conference May 5-9, 2014

Register online at [www.ncindustrialventilation.com](http://www.ncindustrialventilation.com)

Name \_\_\_\_\_

Job Title \_\_\_\_\_

Firm/Org. \_\_\_\_\_

Work Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

E-mail \_\_\_\_\_

### Sign me up for:

- Level I-Basics of Industrial Ventilation .....\$1,295
- Level II Advanced Vent Design .....\$1,295
- Level II Operation & Troubleshooting .....\$1,295
- Enroll me in the Workshop - May 9 ..... \$295
- Enroll me in the certificate program ..... \$150

Total \$ \_\_\_\_\_



**PLEASE CALL ABOUT PRICE BREAKS FOR 3 OR MORE REGISTRATIONS!** Payment must accompany registration

Payment Method:

- Visa     MasterCard     AmericanExpress
- Check (**Make check(s) payable to: Industrial Ventilation Conference**)     PO

Card Account # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Amount \$ \_\_\_\_\_ Three Digit Security Code on Back of Card \_\_\_\_\_

Signature \_\_\_\_\_

Cardholder's Name (please print) \_\_\_\_\_

**Mail to:** Industrial Ventilation Conference  
P.O. Box 37492  
Raleigh, NC 27627-7492  
Attn: Connie McElroy-Bacon

**Billing Address for Credit Card**

For Information: Phone 919 233 8400  
FAX: 919 852 4594  
E-mail: [cbacon@mindspring.com](mailto:cbacon@mindspring.com)

## TUITION

The cost for Level I Basics of Ventilation, Level II Advanced Ventilation Design OR Level II-Operation and Troubleshooting is \$1,295 per person. The three classes will be taught concurrently May 5-8. The fee includes the new 28th edition **ACGIH Industrial Ventilation Manual** or **Operation & Maintenance Manual**, all course materials, breaks, four lunches and the Founders Dinner on Tuesday evening. Should you wish to enroll in one of the certificate programs there is a onetime fee of \$150 to cover the two year curriculum. The cost for the optional *System Effectiveness* workshop is \$295/person. Breaks and lunch are included in the cost of the Friday workshop.

**Call about company discounts for 3 or more registrants!**

## ACCOMMODATIONS

Rooms are being held at the Clarion Hotel State Capital for participants, but their availability cannot be guaranteed past April 20. Lodging is NOT included in your registration fee. Please make your own reservation directly with the Clarion. To receive the special rate of \$79/night +tax (single/double), please state that you will be attending the Industrial Ventilation Conference.

**Clarion Hotel State Capital, 320 Hillsborough Street, Raleigh, NC 27603 919-832-0501**

**Industrial Ventilation Conference**

P.O. Box 37492

Raleigh, NC 27627-7492