

October 2010



Philadelphia Section AIHA Newsletter



October 2010 Full-Day Professional Development Course

“Have You Considered A Career In SUPERModeling?”

Following on the Philadelphia Section’s very successful half-day mathematical exposure modeling overview PDC in March, 2010, this course, being held on Tuesday, October 19th at the Villanova Conference Center (Radnor, PA) will expand on the use of mathematical modeling to evaluate airborne contaminant concentrations relevant to industrial hygiene exposure issues.

Hygienists can use models to estimate concentrations when monitoring is unavailable, including emergency response scenario pre-planning, exposure event reconstruct, and new chemical/process approvals.

We will quickly review the fundamental laws of physics, physical-chemistry and aerosol science upon which the models are based. The remainder of the course will focus on interaction with course participants on example problems using seven of the most common room models. The benefits and limitations of each model will be discussed. The case studies chosen will illustrate how to use these models and will provide participants with experience using the models but also with opportunities to discuss how to select the most appropriate model for other exposure scenarios relevant to their exposure assessment needs.

AIHA’s “IH Mod” freeware Excel spreadsheet, available for download from AIHA, will be used (course attendees are encouraged to pre-load the spreadsheet and bring laptops with them to use at the PDC; info on downloading the spreadsheet can be found on p. 5).

Our presenters, Dr. Tom Armstrong and Dr. Michael Jayjock, are both members of the AIHA Exposure Assessment Strategies Committee which developed the spreadsheet tool.

This PDC has VERY limited seating, and registration will close as soon as all available seats are filled. **Prompt pre-registration is strongly recommended.**

Philadelphia Section AIHA

March Half-Day PDC

“Have You Considered A Career In SUPERModeling?”

Tuesday, October 19th, 2010

Villanova Conference Center • 601 County Line Road • Radnor, PA 19087

Agenda

7:00 AM - 7:50 AM	Registration/Continental Breakfast/Networking
7:50 AM - 8:00 AM	Introductions/Announcements
8:00 AM - 10:00 AM	Presentation
10:00 AM - 10:15 AM	Break/Networking Opportunity
10:15 AM - 12:00 PM	Presentation (continued)
12:00 PM - 1:00 PM	Buffet Lunch
1:00 PM - 2:30 PM	Presentation (continued)
2:30 PM - 2:45 PM	Break/Networking Opportunity
2:30 PM - 4:00 PM	Presentation (to adjournment)

Cost: Current Philadelphia Section AIHA Members*: **\$100**
Non-Members: **\$125**

Meeting fee includes continental breakfast, snacks and buffet lunch

*- to take advantage of the discounted member rate, you must be a current dues-paying member of the Local Section.

Payment for this course MUST be made at the door on the day of the event. No advance payments will be accepted. Payment must be made via cash or check ONLY (no credit cards or PO's will be accepted, and we cannot invoice for the course fee... NO EXCEPTIONS).

To register, please send an email with your name and company affiliation to register@philaaiha.com before Noon on Wednesday, October 13th.

There are a VERY LIMITED number of seats available for this course: registration will close, without advance notice, when all available seats have been filled. A stand-by list will be used to fill in spots made available by cancellations. ABIH CM points have been applied for.

The Villanova Conference Center

601 County Line Road
Radnor, PA 19087
Phone: 610.523.1776
Fax: 610.523.1777

Prepare Yourself To Be Spoiled!

Driving Directions to The Villanova Conference Center

Using GPS: If you are using a GPS to navigate to the Villanova Conference Center, please use 629 County Line Road, Radnor, PA 19087 as the address, or enter Latitude 40.05 and Longitude -75.35.

From Philadelphia International Airport: The Villanova Conference Center is located 18 miles from Philadelphia International Airport. When leaving the airport, follow signs for I-95 South. Take I-95 South to Rt. 476 North (Plymouth Meeting.) Follow Rt. 476 North to Exit 13 (St. David's/Villanova.) At the bottom of the exit ramp, proceed straight at the traffic light onto King of Prussia Road. Follow King of Prussia Road to the 2nd traffic light and turn right onto Matsonford Road. Follow Matsonford Road approximately half a mile and turn right into the Matsonford Gate entrance to The Villanova Conference Center. (marked by blue signs on the stone gates).

From the North: Take the New Jersey Turnpike to Exit 6 (Pennsylvania Turnpike Exit.) Follow the Pennsylvania Turnpike to Route 476 South towards Philadelphia/Chester, and bear left at the fork. Take 476 South to Exit 13 (St. David's/ Villanova). At the bottom of the exit ramp, turn right onto Rt. 30 East (Lancaster Avenue.) At the 1st traffic light turn left onto King of Prussia Road. Follow King of Prussia Road to the 2nd traffic light turn right onto Matsonford Road. Follow Matsonford Road approximately half a mile and turn right into the Matsonford Gate entrance to The Villanova Conference Center. (marked by blue signs on the stone gates).

From the South: Take I-95 North to Route 476 North. Take Route 476 North to Exit 13 (St. David's/ Villanova.) At the bottom of the exit ramp, proceed straight at the traffic light onto King of Prussia Road. Follow King of Prussia Road to the 2nd traffic light and turn right onto Matsonford Road. Follow Matsonford Road approximately half a mile and turn right into the Matsonford Gate entrance to The Villanova Conference Center. (marked by blue signs on the stone gates).

From the East (Philadelphia/ 30th Street Station): Take I-76 West to Exit 330 (Gulph Mills.) At the bottom of the exit ramp, turn left then turn left again at the stop sign, following signs for Route 320 South. At the traffic light at the intersection for 320 South, turn left. Follow 320 South (South Gulph Road) through two traffic lights, just after you pass the Sunoco Station, turn right before the third traffic light onto Matsonford Road. Proceed on Matsonford Road for half a mile and turn left at the 1st traffic light onto County Line Road. The Conference Center is the second entrance on the right (marked by blue signs on the stone gates).

From the West: Take the Pennsylvania Turnpike to I-76 East towards Philadelphia. Take I-76 East to Exit 330 (Gulph Mills.) At the bottom of the exit ramp, turn right onto Rt. 320 South. Follow 320 South (South Gulph Road) through two traffic lights, just after you pass the Sunoco Station, turn right before the third traffic light onto Matsonford Road. Proceed on Matsonford Road for half a mile and turn left at the 1st traffic light onto County Line Road. The Conference Center is the second entrance on the right (marked by blue signs on the stone gates).

Tom Armstrong (TWA8HR Occupational Hygiene Consulting)

At present, TWA8HR Occupational Hygiene Consulting is a sole proprietor organization. That is, Tom Armstrong is the owner and only employee. He has an extensive network of professional colleagues in industrial hygiene, computer support, epidemiology and other fields. He commonly works with such others in many projects. Thus, he can bring additional service providers to projects as circumstances indicate.

Tom is a Certified Industrial Hygienist and has his BS in Chemistry, MS in Environmental Health and PhD in Environmental Engineering, all from Drexel University. He is also a Fellow of the American Industrial Hygiene Association. He retired from ExxonMobil Biomedical Sciences, Annandale NJ, where he was a Senior Scientist in Exposure Sciences. He continues his professional work, and has completed exposure assessments and publications for epidemiology studies, including a major suite of studies based in Shanghai, China.

He is the Vice Chair for the American Industrial Hygiene Association's (AIHA) Occupational Epidemiology Committee. He has contributed to several chapters on that committee's new publication on exposure reconstruction for epidemiology.

He is also an active member of the AIHA Exposure Assessment Strategies Committee, especially in their mathematical exposure modeling activities. Recent activities in that committee include continued development of modeling tools (IH Mod), teaching a mathematical modeling PDC, and contributing to a new edition of a book on mathematical modeling for industrial hygiene applications. He has also been active in risk assessment research projects, including microbial risk assessments and appropriate means of validating risk assessments.

Mike Jayjock (The LifeLine Group /LINEA Inc.)

Mike Jayjock is a Senior Analyst for The LifeLine Group and LINEA Inc. Mike has an M.S. and Ph.D. from Drexel University in Environmental Engineering & Science and he is board certified (ABIH) in the Comprehensive Practice of Industrial Hygiene. His principal research interest includes the development of better-estimating and more cost-efficient exposure models. He has been active in the publication of his work and in participating on various committees of the EPA, International Society of Exposure Assessment, American Industrial Hygiene Association, the National Academy of Science and the European Union.

IH Mod Spreadsheet/Laptop Use At The Philadelphia Section AIHA PDC

The presenters at the PDC will be demonstrating the IH Mod spreadsheet on a projection screen during the course. Although not required, attendees may wish to bring laptops with them to use.

The IH Mod spreadsheet can be downloaded from the AIHA Exposure Assessment Strategies Committee web page by [clicking here](#); a general help guide for the spreadsheet can be downloaded by [clicking here](#).

- Please note that computers/software will NOT be provided for attendee use at the PDC.
- Power strips will be available to use to plug in laptops.
- Attendees should download the IH Mod spreadsheet prior to the PDC, using the link above.
- Please try and use the spreadsheet prior to the PDC, so that you can ensure that your version of Excel is capable of running the spreadsheet, and to deal with any security-related restrictions that their employer may have imposed on computer usage.
- The IH Mod software may not run correctly on Apple computers running Excel.
- The Philadelphia Section AIHA will not be able to provide technical assistance on the use of the spreadsheet.



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