



*Attend this full day PDC for 1.17 CIH CM Points, and then stay for two more days in Lansing to attend the Michigan Safety Conference, and earn AN ADDITIONAL 2.0 CIH CM points (See details below.) *

“Advancements in Exposure Assessment - Improving Data Interpretation and Professional Judgment Using Bayesian Decision Analysis”

April 19, 2010
Lansing, Michigan

A Continuing Education Workshop Co-Sponsored by:

Michigan Industrial Hygiene Society (MIHS)
University of Michigan – Center for Occupational Health and Safety Engineering (COHSE)
Western Michigan Industrial Hygiene Society (WMIHS)

Program Description: The Bayesian statistical framework offers exciting opportunities for improving the accuracy, efficiency, and transparency of our exposure judgments. Bayesian techniques can be used to formally combine our professional judgment regarding a particular exposure and its uncertainty along with the statistical analysis of current exposure data. The language and framework of the approach holds promise for expressing the output of exposure assessments in a manner that is much more easily understood and communicated than the output from more traditional statistical analysis. Best of all, the Bayesian decision analysis approach formalizes traditional exposure assessment processes already used by industrial hygienists today. This course will provide an overview of the Bayesian framework for decision analysis and explore, through discussion and workshops, opportunities for its application in industrial hygiene data interpretation and exposure risk assessment.

Program Instructor: John R. Mulhausen, PhD, CIH, CSP

Dr. Mulhausen, an AIHA Fellow, is the Director of Corporate Safety and Industrial Hygiene at 3M. He received his BA in chemistry from St. Olaf College followed by an MS and a PhD in environmental health from the University of Minnesota. He is also an adjunct assistant professor at the University of Minnesota School of Public Health. Dr. Mulhausen is a member of: the National Institute for Occupational Safety and Health (NIOSH) Board of Scientific Counselors; the Midwest Center for Occupational Health and Safety Advisory Board; the University of Minnesota Industrial Hygiene Advisory Forum; the AIHA Exposure Assessment Strategies Committee; the Delta Omega Honorary Public Health Society; and the AIHA Upper Midwest Section. He was the 2002 recipient of the AIHA Edward J. Baier Technical Achievement Award and the 2009 Henry F. Smyth Jr. Award.

Program Location: Radisson Hotel, 111 North Grand Avenue, Lansing, MI 48933, (517) 482-0188

Map Link: http://www.radissondestinationguide.com/locationMap.process/OID_EB39EA2D/?hotelCode=LANSING

Meeting Room: Michigan Rooms 2 & 3 on the 2nd Floor: <http://www.radisson.com/hotels/lansing/meetings/0>

Parking: The Radisson Hotel offers valet parking for a nominal fee of \$10.00.

Time: Check In: 7:30 a.m.; Course: 8:00 a.m. to 5:00 p.m. Lunch is included. There will be a continental breakfast. Beverage refreshments and light snacks will be served at the morning and afternoon breaks.

Attendee Note: Attendees should bring a laptop PC. (Sorry, no Macs.). A software program for performing Bayesian decision analysis calculations will be distributed. (Laptop is helpful, but not required to attend the class.)

Handouts: Electronic handouts will be emailed to the attendees once registration and payment is received.

ABIH Certification Maintenance: CM Approval Number is 09-4095 for 1.17 CM Points in the IH Rubric Area.

Fee: \$75/person: Pre-registered and pre-paid, prior to April 2, 2010.
\$125/person: Not pre-registered and not pre-paid by April 2, 2010.
\$150/person: Walk-in at door (if space allows).

Registration: Go to the MIHS website <http://www.mihsweb.org/index.htm> and click on "Event Registration" Register before Thursday, April 2, 2010.

***Michigan Safety Conference** To register for the MSC, go to: <http://www.michsafetyconference.org/>
Register before April 2, 2010 to get the Early Registration Discount

*Two days at the MSC = \$150 + \$75 for the PDC above = \$225 for 3.0 CIH CM points. That's \$75/point!