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

AGENDA		
Time	**Duration (Min)**	**Topic**
8:00 AM	20	Introduction
8:20 AM	30	Interpreting Data
8:50 AM	20	Class Exercise: Data Interpretation Test 1
9:10 AM	20	Bayesian Statistics - How Might They Help?
9:30 AM	20	AIHA Exposure Assessment Model: Inherently Bayesian
9:50 AM	25	Traditional IH Statistics
10:15 AM	*15*	*Morning Break*
10:30 AM	20	Rules of Thumb
10:50 AM	20	Class Exercise: Data Interpretation Test 2
11:10 AM	25	Bayesian Statistics
11:35 AM	*60*	*Lunch*
12:35 PM	60	Bayesian Decision Analysis (BDA) Theory and Tool
1:35 PM	35	Scenario Examples - Decision Chart Interpretation
2:10 PM	25	BDA Issues
2:35 PM	30	Scenario Examples - GSD and Parameter Space Verification
3:05 PM	*15*	*Afternoon Break*
3:20 PM	40	Use of Subjective Probability and Modeling
4:00 PM	35	BDA: Integrating Professional Judgment
4:35 PM	15	Other Potential Applications for BDA
4:50 PM	10	Closing Discussion
5:00 PM		End Class