

President's Message



This will be my last message to you as MIHS President. It has been a pleasure to service this organization and to be affiliated with the industrial hygiene community. Please consider participating in MIHS and running

for a Board or Officer position in the future. I believe that you will find it to be a very enriching experience. As you know Laura Randall will soon be stepping into the roll of MIHS president. She has worked very hard for MIHS over the year and is very deserving of all the support and encouragement that we can give her.

Mark Your Calendars

½ Day PDC "Emerging Issues in Air Sampling" combined with MIHS Past-Presidents' and Annual Business Meeting

Instructor: Deb Dietrich from SKC

March 22, 2010 - Meadow Brook Hall - Rochester, Michigan
ABIH CM Approval Number: 09-4634 for 0.67 CIH CM Points (IH Rubric Area)

Registration: Go to the MIHS website:
http://www.mihsweb.org/Event_Registration.php

CHMM of Michigan's Annual Conference

March 25, 2010 - Burton Manor in Livonia

For more information, go to the CHMM of Michigan website:
<http://www.chmm-mi.org>

Comprehensive Industrial Hygiene Review Course

Co-sponsored by U of M, MIHS and AIHA

April 12, 2010 - April 16, 2010 - Ann Arbor, Michigan
<http://www.aiha.org/education/ce/roadcourses/Pages/CIHReview.aspx>

PDC at the Michigan Safety Conference 2010

Title: "Advancements in Exposure Assessment - Improving Data Interpretation and Professional Judgment Using Bayesian Decision Analysis"

Program Instructor: John R. Mulhausen, PhD, CIH, CSP
April 19, 2010

Co-sponsored by: MIHS, U of M COHSE, WMIHS
Radisson Hotel - Lansing, Michigan
ABIH CM Approval Number: 09-4095 for 1.17 CM Points (IH Rubric Area)

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

Michigan Safety Conference 2010

April 20 - 21, 2010

Lansing Center - Lansing, Michigan
<http://www.michsafetyconference.org/>
Register before April 2, 2010 for discounted pricing.

AIHce 2010 - Denver, Colorado

May 22 - May 27, 2010

<http://www.aiha.org/aihce10/plan/default.htm>

Comprehensive Industrial Hygiene Review Course

Co-sponsored by U of M, MIHS and AIHA

September 20, 2010 - September 24, 2010

Ann Arbor, Michigan

<http://www.aiha.org/education/ce/roadcourses/Pages/CIHReview.aspx>

PCIH 2010

Big Ideas. Big Solutions.

Fort Worth, Texas

October 9 -12, 2010

<http://www.aiha.org/pcih09/default.htm>

MIHS Mini-Conference 2010

October 19, 2010

MSU Management Education Center in Troy, Michigan

Full Day PDC.

Watch for more details.

MIHS Website Event Calendar: These, and more, are all listed at: http://www.mihsweb.org/public_calendar.htm

ABIH Newsletter Announcement

The American Board of Industrial Hygiene (ABIH), located right here in Lansing, Michigan, posted its most recent e-newsletter, which was put together by MIHS's own Tracy Parsons. It is chocked full of valuable information for CIHs and those who are thinking about becoming CIHs. The newsletter is available to all at <http://abih.org/documents/2010FebNewsletter-Acrobat.pdf>, and contains the following:

- New Board Chair and Directors - Torey Nalbone, PhD, CIH has been elected Board Chair. Four new Directors have also been elected.
- Updated CM Worksheet - the document incorporates the latest rules and automates point calculations.

- Earning CM Points In Tough Economic Times - learn how to get CM points without severely impacting your time or your wallet.
- A Board View - accomplishments and plans from the Board of Directors.
- The Diplomate Pulse! - poll results and a new poll question.
- Milestones - Exam results, ethics disciplinary actions, not-certified.
- Key Dates for 2010.



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2010 Michigan Industrial Hygiene Society (MIHS) Student Awards Night

By Sharkey Mingela, CIH - MIHS Board Member



The Michigan Industrial Hygiene Society has been recognizing excellence in university industrial hygiene scholarship since 1984. On February 10, 2010 approximately 40 graduate students, university faculty, friends, and MIHS members gathered at Genitti's Hole in the Wall Restaurant in Northville,

Michigan to recognize scholars in industrial hygiene from the two institutions in south east Michigan offering graduate industrial hygiene degrees and that are ABET accredited in industrial hygiene.

Preceding the awards, Cynthia Ostrowski CIH the current American Industrial Hygiene Association's (AIHA) Secretary and long time MIHS member made a brief presentation on the history of AIHA and the advantages of student and professional membership. She highlighted the rich history of AIHA and how it is historically linked to the greater Detroit area. In addition she provided many of the benefits available to students from AIHA such as discounts and Foundation scholarships as well as the advantages of continuing their mutual relationship with AIHA following graduation and into their professional careers.

Receiving the award from The University of Michigan was Mr. Kevin Abernethy. Kevin received a bachelor's degree in Public Health from Utah State University in 2008. In April 2010 Kevin will receive a Masters of Public Health in Industrial Hygiene and Hazardous Substance Academic Training from U of M. Kevin is married and has a 2 year old son and he and his wife are expecting another son in May. Kevin has accepted a job offer from Chevron Oil in New Orleans, Louisiana as a HES Specialist. Introducing Kevin and making the presentation was Dr. John Meeker, Professor, University of Michigan.

Receiving the award from Wayne State University was Ms. Namhee Shin. Namhee received her undergraduate education at The University of Michigan

and is currently working at the Institute of Environmental Health Sciences at Wayne State University. In 2009 Ms. Shin completed all of the requirements for a Master of Science Degree in Occupational and Environmental Health Sciences (OEHS) with double majors in Industrial Hygiene and Industrial Toxicology, as well as a Graduate Certificate in Occupational Safety. Ms. Shin was active in the Wayne State University Industrial Hygiene Student Association, serving as Secretary in 2008 and President in 2009. Introducing Namhee and making the presentation was Dr. Edward Kerfoot, Professor and OEHS Program Director at Wayne State University.

The Michigan Industrial Hygiene Society presented each of the industrial hygiene scholars an MIHS coffee mug, Cross Pen with MIHS logo, and a \$500 discount certificate redeemable when attend the MIHS-AIHA sponsored Certification Review Course held at The University of Michigan.

The MIHS wishes Mr. Abernethy and Ms. Shin good luck in their professional careers and in all of their future endeavors.

Thank you to Dr. Bill Watt for the pictures



AIHA Secretary Cindy Ostrowski's presentation

2010 MIHS Student Night...



A portion of the audience



U of M professor Dr. John Meeker (left) and Sharkey Mingela (right) congratulating Kevin Abernethy with the U of M Best Student Award.



Ed Kerfoot (center) and Sharkey Mingela (right) of WSU, present Namhee Shin with the WSU Best Student Award.



Family-style dinner following the presentations



Family-style dinner following the presentations

MIHS at Career Fair

by Laura B. Randall, M.S., CIH - MIHS President Elect

The Michigan Industrial Hygiene Society (MIHS) hosted a booth on February 1, 2010 at Troy Athens High School Career Day, which focused on careers in Science, Technology, Engineering and Math. This event was held in conjunction with a NASA live downlink to the astronauts at the international space station (ISS). This is where the students had the opportunity to ask questions to the astronauts, live. It attracted a lot of attendees, both students and adults.

During the day portion, we were mostly visited by elementary, middle and high school students. During the evening portion, we were mostly visited by adults with their kids of varying ages. There were about 500 attendees. The TV News Channels were there, too.

We spoke with a lot of people, and handed out a lot of brochures, including brochures from IH graduate programs at Wayne State University Occupational and Environmental Health Science program (WSU OEHS) and University of Michigan School of Public Health (U of M SPH). We also handed out three AIHA brochures on CareerWorks for Kids, Career Works for Adults, and Industrial Hygienists. I brought my DVD player, set it on our table, and continuously played the AIHA DVD on the IH Profession. When we had a big line up of people, the ones waiting to talk with us, watched the DVD.

We generated a lot of interest in Industrial Hygiene for both the students and adults.

This was a great opportunity for MIHS to reach out to the students and community, and educate them about Industrial Hygiene! (And it was a lot of fun!)



MIHS booth at Career Fair: Laura B. Randall, M.S., CIH - MIHS President Elect, and Rich McLonis, CIH, MIHS Board

~ In Memoriam ~

Louis Redmond ~ 1924 to 2008

It is with great sadness that we report the death of Lou Redmond, CIH. Lou was a long time and Life Member of MIHS and served as our President in 1977. Lou was born in Hungary on January 24, 1924. His original surname was Rotenberg but was changed to Redmond following immigration to the United States. Lou's family moved to Detroit where he received his primary and secondary education. During World War II Lou served in the military, was wounded in combat, and received a purple heart and other military decorations. Following the war, he attended Wayne State University receiving a BS in Engineering in 1949. Lou started his industrial hygiene career at The Detroit Bureau of Industrial Hygiene. He later worked for Ford Motor Company and then Chrysler Corporation. Following his retirement in 1989 Lou and his wife Doreen moved to Palm City, Florida where he resided until his death. Our thoughts and prayers go out to his entire family. May he rest in peace.

~ In Memoriam ~

Paul E. Toth, CIH, CSP ~ July 11, 1920 - February 27, 2010

Paul E. Toth, the youngest of 8 siblings, was born in Welland, Ontario, Canada to parents of Hungarian immigrants. In 1922 the Toth family moved to Detroit, Michigan where later Paul became a naturalized US citizen. He graduated from Cass Technical High School's Chemistry-Biology Curriculum in 1939. Soon after graduation he found work as an assistant chemist at the Ethyl Corporation. In search of greater challenges in 1941 he started working as an analytical chemist at Ford Motor Company's Steel Division and a year later accepted a position with Briggs Manufacturing Company as a quality control chemist.

World War II intervened and Paul tried to enlist in the US Navy. He was initially rejected because he didn't weigh enough (Paul was blessed in many ways). Determined, it was reported that Paul ate large quantities of bananas in order to gain weight. His efforts were apparently rewarded in 1944 with an enlistment in the US Navy. He served the remainder of the war as an Aviation Electronics Technician's Mate. He was honorably discharged in 1946 and soon after returned to Briggs Manufacturing.

At Briggs he worked in the Company's health and safety operations. While in this capacity he resumed his studies and began taking college classes in the evenings. In 1949 he graduated from Lawrence Institute of Technology and awarded a Bachelor of Science in Chemical Engineering. Soon after graduation Paul was named the Director of Briggs Manufacturing's newly formed Industrial Hygiene Department. In 1954 Chrysler Corporation assumed control of Briggs Manufacturing and he became Assistant Director of Chrysler's Industrial Hygiene Department. In 1960 Paul left Chrysler and accepted a position as an Industrial Hygienist with The Michigan Department of Public Health. In 1961 Paul returned to Ford Motor Company where he was the Manager of Ford Motor Company's Industrial Hygiene and Toxicology Department until his retirement in 1982. Following retirement from Ford, he embarked on a consulting career and formed Paul E. Toth and Associates for the remainder of his active working life.

Paul was a long time member of the Michigan Industrial Hygiene Society and served as its Secretary-Treasurer in 1955 and President in 1957. He was awarded MIHS Life Membership in 1988. He likewise was a longtime member of The American Industrial Hygiene Association and served as Treasurer 1967-1970, and President in 1978. He was credentialed as a Certified Safety Professional and Certified Industrial Hygienist in Comprehensive Practice (#796). He served as the Chair of The American Board of Industrial Hygiene in 1975. He was active in Kiwanis, Elks, American Legion, Boy Scouts of America, and The Hungarian-American Cultural Center, where he was Treasurer.

Paul was preceded in death by his high school sweetheart and lovely wife of 50 years, Margaret. Paul and Margaret were blessed with three children: Alan, Lawrence, and Kathleen; five grandchildren: David John, Michael, Lindsey, and Kevin; two great-grandsons: Benjamin and Noah.

Paul was a fisherman and an avid ballroom dancer. Paul and Margaret would frequently light up the dance floor throughout the Detroit Metropolitan area. Dance floors in the Detroit area and indeed throughout North America will not be the same without Paul and Margaret Toth.

Funeral services, with military honor guard, flag draped casket, 21 gun salute and the playing of taps, were held on March 5, 2010. Flag and spent cartridges were given to the family. Internment is at Michigan Memorial Park.

Memorial contributions, in memory of Paul's life, can be made to the Pulmonary Fibrosis Foundation, 1332 North Halsted Street, Suite 201, Chicago, IL, 60642.

Your personal wishes may be expressed to the family at: toth@blclinks.net

What's in the Synergist?,

Andy Crause, February 2010, Volume 21, No 2.



The Greenhouse Learning Curve

An article by Lisa Barnes in the February Synergist

provides a nice primer for understanding some of the greenhouse gas (GHG) terminology, and a general sense of where this all stands, minus the politics. Of course, this is more of an environmental issue than an occupational safety and health issue, but we have all been hearing all sorts of information on GHG and "cap and trade", and the Kyoto accord, etc., and nobody has done a very good job of presenting the information objectively.

Currently, there is no universally accepted method for determination of GHG emissions from a company, and whether a company should report overall emissions or emissions from each facility. Four different voluntary reporting programs are outlined, as well as the mandatory reporting required by the EPA in the Mandatory Reporting of Greenhouse Gases Rule issued on September 22, 2009, which affects mostly larger quantity emitters. Apparently, the common thread is the reporting of carbon dioxide equivalent (CO₂e) emissions, which take into account a factor called the Global Warming Potential (GWP) factor.

Most protocols define GHGs as the six gases/categories of gasses determined by the

Kyoto protocol, which are carbon dioxide, methane, nitrous oxide, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). Carbon dioxide has a GWP of 1, and sulfur hexafluoride has a GWP factor of 23,900!!!! This means that one pound of sulfur hexafluoride emitted into the air is theoretically equivalent to 23,900 pounds (almost 12 tons) of CO₂. Most people have not heard of SF₆, but it is commonly used as a tracer gas in ventilation studies, which IH folks may have some involvement with from time to time. The way SF₆ is typically used in these studies is that a nice healthy blast of SF₆ gas is emitted into a room from a compressed gas cylinder, and then the "decay" of SF₆ is measured over time to give a ventilation engineer an idea of the number of air changes per hour that the ventilation system is providing. I am sure that suitable substitutes for SF₆ will be identified shortly, but you could be a real hero to your client or company if you are aware of any current or upcoming use of SF₆, and can give somebody a "head's up" regarding the significant impact this has on the company's carbon footprint.

The MIHS Website: An Excellent IH Resource

www.MIHSweb.org

As an MIHS member, our Web site is at your disposal 24/7 with news, views and more. Features include Job Postings and Links to IH related Event and Activities.

MIFACE Research Program Studies Occupational Fatalities in the State of Michigan

The Michigan Fatality Assessment and Control Evaluation Program's (MIFACE) research program studies occupational fatalities in the State of Michigan. In an attempt to determine the root cause(s) of a workplace fatality, MIFACE contacts the employer to ask for their voluntary participation. If the employer agrees to participate, they conduct a site visit, gather information, and develop and disseminate educational materials and prevention recommendations to stakeholders who can effect work practice changes.

MIFACE Investigation Report and MIFACE Summaries of MIOSHA Investigations are posted to the Michigan State University Occupational and Environmental Medicine (MSU OEM) website. www.oem.msu.edu/. After accessing the MSU OEM home page, please click on the MIFACE link on the left side. The Fatality Investigation Reports and Summaries of MIOSHA Inspections may be accessed directly via the links provided. After accessing the Investigation Reports or Summaries of MIOSHA Investigations page, if you leave the default boxes as is, all of the Investigation Reports or Summaries will be listed. You may then scroll down the page to find the Investigation Report(s) or Summary(ies) of interest. You may also search for Investigation Reports or Summaries by industry classification and/or by fatality type using the drop down menus in the appropriate boxes.

For any questions about the MIFACE Program or any of their materials, contact Debra A. Chester at 517-432-1008 or Debra.Chester@hc.msu.edu

Matching Grants to Universities

Please visit our website www.MIHSweb.org. Click on the Matching Grants side bar link to find out how you can contribute to the Matching Grants to Universities Program.

Looking for new job opportunities?

Be sure to frequently check the job-posting page on the MIHS website.

Go to www.MIHSweb.org, and click on the NEW lefthand sidebar link "IH Job Postings".

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“Emerging Issues in Air Sampling” Half-Day PDC combined with MIHS Past-Presidents’ and Annual Business Meeting

Date: March 22, 2010

Time: Check In at 7:30 a.m.; Course 8:00 a.m. - 12:00 p.m.; Business Meeting 12:00 - 12:30 p.m.; Lunch is included. There will be a continental breakfast, with beverage refreshment at the morning break.

Location: Meadow Brook Hall
Oakland University Campus
Rochester, Michigan
-Meeting in the Ball Room in the lower level
-Directions to OU: <http://www.oakland.edu/?id=7132&sid=215>

Parking: Park in the lot adjacent to the Courtyard, Parking lot number 61. Parking is free.
Link: <http://www.oakland.edu/Apps/ShowMap.aspx?mapId=2&CWFriendlyUrlApp=true>

PDC Presenter: Debbie Dietrich from SKC

Course Objective: In this era of recessionary cutbacks, this course will discuss emerging areas where air quality measurements are actually expanding. The growth areas for IAQ measurements that will be covered include certification of GREEN BUILDINGS and investigation of VAPOR INTRUSION into buildings from underground contamination. This course will also present a collection of short subjects where exposure measurements are being done for new applications including nanoparticles, school zone sampling, mercury emissions into ambient air, and methamphetamine clandestine labs. Join us for Emerging Issues in Air Sampling and earn ABIH CM points close to home.

ABIH Certification Maintenance: CM Approval Number is 09-4634 for 0.67 CM Points in the IH Rubric Area.

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

Agenda: 7:30: Sign In and Continental Breakfast
8:00 - 12:00 Debbie Dietrich technical presentation
12:00 - 12:30 MIHS Business Meeting
12:30 - 1:30 Lunch (Working lunch for MIHS Board in separate room.)
1:30 - 2:30 Tour of Mansion (Optional); Tour is free for Past-Presidents

Registration: Please register before March 8, 2010 on the MIHS website. Link: <http://www.mihswb.org/>

Cost: \$65/MIHS Member (no tour) & MIHS Past-Presidents (free tour); \$75/MIHS Member with tour;
\$85/non-MIHS Member (no tour); \$95/non-MIHS Member with tour
Students of IH programs (who are not working full time) are free - if not staying for lunch and no tour.

Topics Covered:	About The Presenter:
<p>Green Buildings:</p> <ul style="list-style-type: none"> • LEED® Green Building Criteria by the U.S. Green Building Council (USGBC) and the expertise health and safety professionals can offer to each criterion • LEED requirements for indoor environmental quality credit • Sampling options <p>Vapor Intrusion:</p> <ul style="list-style-type: none"> • Steps to assess risk per the U.S. EPA guidance document • Sampling options for sub slab and indoor air • Results of a field study comparing available samplers <p>Short Subjects:</p> <ul style="list-style-type: none"> • Nanoparticle Exposure Measurements: The NIOSH Strategy • Methamphetamine Detection Methods: NIOSH Field Test kits • School Zone Air Quality - U.S. EPA Initiatives • Mercury Emissions - Targeted industries and Sampling Approaches 	<p>Debbie Dietrich holds a master of science in industrial hygiene from the University of Texas School of Public Health in Houston. She is the author of the chapter on “Sampling of Gases and Vapors” in the AIHA publication – <i>“The Occupational Environment — It’s Evaluation and Control”</i> and co-author of the chapter on “Sampling and Laboratory Analysis of Gases, Vapors, and Aerosols” in the AIHA Publication <i>“Essential Resources for Industrial Hygiene”</i>.</p> <p>Debbie is a past Director for the National AIHA Board and is certified in comprehensive practice of industrial hygiene by the American Board of Industrial Hygiene. She has worked at SKC for 25 years and has lectured extensively around the world on air sampling issues.</p>



“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

2009-2010 Officers and Executive Board

MIHS Officers



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Term: 2009 - 2010



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MIHS Organizational Members

Each year the activities of the MIHS have been supported by our Organizational Members. The MIHS appreciates the support and generosity of our Organizational Members.

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Ashtead Technology
Bureau Veritas
Chrysler
DTE Energy Resources
Fibertec Industrial Hygiene Services, Inc
Performance Environmental Services, Inc.
SKC, Inc.

For questions or comments on the newsletter please contact
Andy Crause at andrew.crause@us.bureauveritas.com.

MIHS Board Members



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Term: 2009-2011



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Filling in 1-year remaining in Carrie Brown's term.



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Term: 2008-2010

For questions or comments on the MIHS website, please contact
Carrie Brown, MIHS Secretary at secretarymihs@gmail.com.