

## MIHS PRESIDENT'S MESSAGE

Lisa Quiggle, CAIH



### **Need a few extra certification points?**

With corporate budgets getting tighter and tighter every year more than a few people are having problems accumulating certification

points. If you are coming due for recertification in 2006, it's not too late to add a few points before the end of the year without traveling far. Just as a review, for a CIH you will need to acquire 40 CM points for the 5 year recertification period. For a CIH practicing greater than 50% of the time in IH, you will receive 3 points per year or 15 points total for your IH work. That leaves you needing 25 points, or 5 points per year, from other activities, with ten of these points from an IH rubric area.

As you know being a member of MIHS has its advantages, and two of them are coming up in September and October. We are having two one-day PDCs that will be worth 1 CM IH point for each day. Don't forget to pre-register on the web. Also, most members are not aware of the new Teleweb seminars given by AIHA, which is a cost efficient way to gather more points. The Teleweb conferences are broadcast by AIHA and provide 0.5 CM points without any travel expenses. The seminar is broadcast and interactive by either phoning in or emailing questions to the presenters.

The next Teleweb is scheduled for September 16 on Nanotechnology. For further information check out the AIHA website.

Another opportunity is offered by the ACGIH. They offer points for reading the Journal of Occupational and Environmental Hygiene and filling out short quiz. This activity is worth 2 points per year and you do not have to leave the comfort of your living room. The cost is \$179 for members and \$199 for non-members.

Compliance magazine offers the same type of format for reading their magazine. Their program is worth 0.5 CM points per year and costs \$57 for filling out 12 quizzes.

For those planning for next year, the Vent 2006 conference is running concurrently with the AIHce in Chicago. Attendees will be able to attend both conferences. The Vent conference is held internationally every 3 years, the last time in Sapporo.

And as always, for those of you who would like to get a jump on next year, there is another opportunity of which you should be aware. Serving on the Board of a local section earns points, and we are always eager for new volunteers!

## MIHS BEST PAPER AWARD

by Laura Randall, CIH, MIHS Board

The winner of the MIHS Best Paper Award was presented during Presidents Meeting that was held during the AIHce in Anaheim, California. MIHS Best Paper Award recipients receive a plaque to commemorate their achievement.



The 2004 winner was:

Limitations of Using Dosimeters in Impulse Noise Environments  
Chucri Kardous and Robert Willson  
Volume 1, Number 7 / July 2004

(Lisa Quiggle, MIHS President and Chandran Achutan from NIOSH, accepted the award for the winners who couldn't attend.)

To view past winners, please see the listing on the MIHS website.

- 1) [www.MIHSweb.org](http://www.MIHSweb.org)
- 2) click on "Best Paper Awards" on the left-hand sidebar link.

One of MIHS's most enduring traditions has been the MIHS Best Paper award that was started back in 1957. Every year since, MIHS has annually recognized the author(s) of the most outstanding article from the AIHA Journal. In 1989, the MIHS Board of directors voted to also recognize the author(s) of the "Best Paper" in the Applied Journal. Now, we have the combined journal, the Journal of Occupational and Environmental Hygiene (JOEH).

The assessment process includes a review of technical journal articles published during the calendar year. Once an article is read, the reviewer fills out a scorecard with 19 statements pertaining to his/her impression of the article. The statements are scored on a scale of 1 to 5 depending on whether or not reviewer agrees with the statement. The statements are divided into four categories:

- Importance of the Work to Industrial Hygiene (40%)
- Scientific Methods (30%)
- Presentation (20%)
- Originality (10%)

## MIHS Website "Members Area"

by Laura Randall, CIH, MIHS Board

Did you know there is an online Members Forum and Membership Directory on the MIHS website?

To access it, please go to:

- 1) [www.MIHSweb.org](http://www.MIHSweb.org)
- 2) click on "Members Area" in the upper right-hand corner
- 3) click on "Log In" and enter your Username and Password\*\*\*

\*\*\*Can't Log In? Did you forget your Username or Password?

Please contact Laura Randall [lrاندall@argus-group.com](mailto:lrاندall@argus-group.com). You can also update your contact information by clicking on "Update Your Profile"

## U of M Industrial Hygiene Student Association (UMIHSA) Wins AIHA Student Section of the Year Award!



Left to right: Lisa Quiggle, *MIHS President*, Michael Cooper, *UMIHSA Treasurer*, Frank Disori, *UMIHSA President*, Dianna Bryant, *CIH, CSP, Student Local Section Chair for the Local Sections Council*, Gerald Houvener, *UMIHSA Vice-President*

Congratulations! The University of Michigan Industrial Hygiene Student Association (UMIHSA) was the recipient of the AIHA Student Local Section of the Year Award.

The UMIHSA was recognized at the AIHce in Anaheim, California on Tuesday, May 24, at the Local Sections Council Annual Meeting. They were presented with an award plaque and a check for \$1000.

### COMPREHENSIVE INDUSTRIAL HYGIENE REVIEW

COMPREHENSIVE INDUSTRIAL HYGIENE REVIEW is a 4.5-day course that provides an intensive, high-level review of a wide range of industrial hygiene topics. This program is offered twice annually in Ann Arbor, Michigan and has gained the reputation of being one of the premier programs for people needing to broaden or refresh their industrial hygiene knowledge base or to focus their efforts on professional certification. Attendees benefit from interaction with more than a dozen experts covering the industrial hygiene topics. The next offering will be September 19-23, 2005. This program is co-sponsored by the American Industrial Hygiene Association (AIHA) and the Michigan Industrial Hygiene Society and registration is handled through the AIHA. For more information, refer to the following link on the AIHA web page:

<http://www.aiha.org/MeetingsEducation/html/CIH.htm>

### UPCOMING EVENTS

MIHS is planning on 2 full day PDCs in the Fall this year.

One is being planned for Frankenmuth in September, and the other is being planned for October at the MSU Management Education Center in Troy (MIHS Mini-Conference).

If you are looking to accumulate ABIH CIH points, then there will be a few programs coming up which will offer 2 total.

We send out a broadcast email when the specific dates have been confirmed.

Also, please remember to check the Event Calendar on the MIHS website for other IH events. Just go to:

- 1) [www.MIHSweb.org](http://www.MIHSweb.org)
- 2) click on Event Calendar on the left-hand sidebar link

## Michigan Ergonomics Standard Advisory Committee

by Laura Randall, CIH, MIHS Board

The Michigan Ergonomics Standard Advisory Committee Activity has monthly meetings at the State Secondary Complex, General Office Building, 7150 Harris Drive, Lansing, Conference Room B. (For a meeting schedule with dates and times, please check the MIHS Event Calendar on the MIHS website.)

For a history of this committee, please see John Bavin's article on the MIHS website:

- 1) [www.MIHSweb.org](http://www.MIHSweb.org)
- 2) click on "Michigan Ergonomics Regulation Update" on the Home Page.

For more information on meetings, agenda, minutes, draft regulations, and future meetings, please go to the following:

- 1) [www.michigan.gov/cis/](http://www.michigan.gov/cis/)
- 2) click on "MIOSHA" (on the left-hand sidebar link)
- 3) click on "Standards & Legislation" (on the left-hand sidebar link)
- 4) click on "Ergonomics Standard Advisory Committee Activity" (middle of page)

## MIHS Members Involved In AIHA and ABIH

by Laura Randall, CIH, MIHS Board

There is a new addition to the Home Page of the MIHS website. There is a link to a page which showcases the MIHS members involved in AIHA and ABIH. There is also a brief description of each person's committee and/or involvement.

If you have questions or concerns regarding AIHA or ABIH, please feel free to contact these local MIHS members, so they can bring these issues to their respective organizations.

Are you a member of a committee, or otherwise involved in AIHA or ABIH? Please email to me your committee name and/or involvement, and I will add you to the listing on the page. Local representation and involvement in these national organizations is important.



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## What's In The Synergist?

by Andy Crause, CIH, MIHS Board



### NANOTECHNOLOGY

I attended the nanotechnology General Session at the AIHCE in Anaheim back in May, and that prompted me to go back and read this article in the October 2004

Synergist. Nanotechnology is a fascinating, mind-bending, revolutionary concept involving the production of materials made from engineered particles not much larger than molecules. The general concept is that, with certain materials, particles on the order of 1 to 100 nanometers (or 0.0001 to 0.001 microns!) begin to exhibit unique properties that greatly affect the physical, chemical, and biological behavior. There are a variety of applications where "nanomaterials" such as stain-free clothing (the TV ad, where the guy spills stuff on his pants and it runs right off), inks, and lightweight tennis rackets, are currently being produced. Many more are on the way.

The questions for the health and safety community are:

- 1) Will chronic exposure to nanoparticles cause health affects in different ways than exposures to not-so-nanoparticles? We know what happens with exposures to substances like welding fume, but nanoparticles are hundreds of times smaller than welding fume, and does that matter?
- 2) How do we measure nanoparticles?
- 3) Will nanotechnology industries warrant a whole different set of PELs and TLVs?

These are just a few of the questions raised. If you have not heard of nanotechnology, or know as little about it as I do, this article is a good start to begin to understand the concept. There are references and links to websites within the article for further information.

(This article was reprinted with permission from *The Synergist*.)

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[edited AR 8/11/04]

### Small Wonders, Big Questions

By Jim Parsons

Nanotechnology has been called the next industrial revolution, a technology poised to change the way we work, communicate and care for ourselves. Although many of its virtually invisible products have yet to reach the marketplace, experts see a future filled with exciting opportunities and applications (see sidebar). Worldwide government investment in nanotechnology has accelerated dramatically since the mid-1990s, setting the stage for what may well become a multi-trillion-dollar global industry in the next decade.

Along with its promising benefits and economic potential, nanotechnology also presents many workplace health and safety concerns. To be sure, dealing with sub-microscopic health

hazards is nothing new to industrial hygiene. A host of monitoring and protective strategies are already in place to safeguard the more than two million U.S. workers exposed to nanometer-diameter particles on a regular basis, according to the U.S. Department of Labor.

That figure is expected to double as nanotechnology-related industries proliferate around the world, raising fears that the growth may outpace the development of appropriate safety protocols. What's more, those workers will be dealing not simply with micro-byproducts of certain processes, but "uniquely engineered materials with novel sizes, shapes and physical and chemical properties, at levels far exceeding ambient concentrations" according to NIOSH.

Speaking before the American Society of Safety Engineers at their 2004 Professional Development Conference and Exposition, NIOSH Director John Howard noted that nanotechnology's materials and devices "are so far from our current understanding that we can not easily apply our existing paradigms to protecting workers. Perhaps for the first time, we need to characterize the quantum properties of exposure."

A recently completed study by Great Britain's Royal Society and Royal Academy of Engineering echoes those thoughts. Cambridge University professor Ann Dowling, who chaired the working group that produced the study, recently told a Washington Post reporter that, "Nanoparticles can behave quite differently from larger particles of the same material and this can be exploited in a number of exciting ways. But it is vital that we determine both the positive and negative effects they might have."

### Nano-Basics

Fortunately, IH's are not starting from scratch. Andrew Maynard, a [title] in NIOSH's Division of Applied Research and Technology, says existing toxicology studies from known ultra-fine particles and incidental nanoparticles (e.g., byproducts of combustion or welding) offer some clues as to how their manufactured counterparts might behave.

"We know that certain mass concentrations of inhaled non-soluble nanomaterials can be harmful, which provides a good analogy for other nano-size particles," he explains. "The surface area and chemistry appear to be the key metrics, and there are indications that some materials can affect health. But we couldn't predict how from current understanding."

AIHA past-president James Rock, a senior lecturer in IH at Texas A&M University and director of the Texas Occupational Health and Safety Institute, agrees. "Ultra-fine particulate exposures are reasonable analogs to engineered nanoparticles. We know how they behave in the environment, how they move through airways and how they deposit on surfaces. Now, we need to characterize their behavior and other attributes to see if there are different toxicological effects."

Still, Kenneth L. Williams, a physical scientist at NIOSH's National Personal Protective Technology Laboratory in Pittsburgh, Pa., speaks for many when he concedes that, "there is far more that we don't know about nanoparticles than we do know when it comes to health effects and the performance of personal protective equipment."

A number of efforts are underway on several fronts to help fill those gaps. NIOSH's multidisciplinary Nanotechnology and Health & Safety Research Program is exploring a wide range of toxicity and health risks associated with workplace nanoparticle exposure. "We'll establish a common basis for identifying and characterizing nano-structures, their physical attributes and health impacts," says Maynard, one of the program's key participants.

Other NIOSH research programs seek to consolidate new and established research into guidance for workplace health and safety professionals. For example, Eileen Kuempel, a senior health research scientist for the Institute's Risk Evaluation Branch, is leading the development of a risk assessment for exposure to nanoparticles of titanium dioxide.

"We're in the process of developing a current intelligence bulletin using rat data for cancerous and non-cancerous responses," she says. "The bulletin will provide a quantitative description of dose relationships using human dissymmetry models."

NIOSH is also a participant in the National Nanotechnology Initiative ([www.nano.gov](http://www.nano.gov)), which is coordinating research and development programs across 18 federal agencies. The National Toxicology Program of the U.S. Department of Health and Human Services also has several nanotechnology studies underway "to evaluate the toxicological properties of major nanoscale materials classes which represent a cross-section of composition, size, surface coatings and physico-chemical properties," according to an agency fact sheet.

### Preparing For Tomorrow Today

While the research community works to turn questions into answers, IH's in existing or potential nanotechnology industries should not hesitate to begin crafting their H&S strategies. Maynard admits that this will not be an easy task.

"We can speculate on what control methods will be effective with nanoparticles, but we have no direct evidence of how the technologies will work," he says. "Respirators with HEPA filters that are good for 300 nm-diameter particles may well be effective, but we still need to research this. We have only theory now."

Rock sounds a more confident note about current technologies.

"We are dealing with the same elements of the periodic table, which same tools as in past. The business of protecting workers and the environment by engineering systems to prevent the release of undesirable stressors will remain top priority, but I don't foresee different kinds of protection," he says. "HEPAfiltering may become more important, but it's still an offshoot of existing technology. Detection will require new sampling methods, but agencies such as [the U.S. Environmental Protection Agency] are already working on it."

On the other hand, Williams says that as particles approach molecular size, "they may be subject to thermal rebound theory, in which they literally bounce through a filter." Though he cites a University of Minnesota research project for the U.S. Department of Energy that suggests thermal rebound is not an issue at room temperature, nothing should be taken for granted.

"In lieu of anything else, the sensible person would pursue classic IH practices," he says.

Another pressing concern is communicating both nanotechnology's knowns and unknowns to workers. "This is a major area of emphasis, with NNI and others," says Maynard, who co-chairs an interagency working group developing best practices guidelines for nanomaterial handling and management. "We need to get occupational health aspects right as quickly as possible. There could be dire consequences 20 to 30 years down the road if we miss something. That could result in a major backlash against nanotechnology."

### Defining the Future

Although the advent of nanotechnology is a certainty, no one can predict just how the technology will unfold. As the Royal Society/Royal Academy of Engineering report notes, "Nanotechnologies have the potential to impact on a wide range of applications in many industries in the medium- and long-term. However, some people exaggerate potential benefits, whereas others exaggerate the risks. Overstated claims about benefits and risks, neither of them based on sound science, are doing a disservice to these emerging fields."

Williams puts it another way, likening nanotechnology to asbestos. "It was supposed to be this 'wonder material' that would solve all kinds of problems," he says. "Nobody understood the threats until much later, and only now are we catching up. We have the opportunity to investigate the possibility of occupational health risks from nanoparticles early in the game."

Rock believes that IH's can and should take a leading role in ensuring the safe use of nanotechnology applications from concept to customer, and beyond. "We need to anticipate, recognize, evaluate and control first," he says. "We can do a better job of designing engineering controls into the laboratory and manufacturing processes. And, we need to be alert to the need for public education for the safe use of nanomaterials, particularly as they become more widely used in everyday life."

True, nanotechnology's hopes and hazards present a formidable task, but one that Rock says IH's should willingly embrace. "Few other professions would attack this challenge," he says. "We should."

Parsons is a freelance writer in the Washington, D.C. area.

### SIDEBAR-There's a Small World Coming

How can something so small be so powerful? At a length scale of 1-100 nanometers (the accepted "yardstick" for nanotechnology), certain materials begin to exhibit unique properties that affect physical, chemical and biological behavior. That opens the door to

a variety of new and exciting applications.

Nanoscale particles are already being used in the electronic, magnetic and optoelectronic, biomedical, pharmaceutical, cosmetic, energy, catalytic and materials industries. Areas producing the greatest revenue for nanoparticles reportedly are chemical-mechanical polishing, magnetic recording tapes, sunscreens, automotive catalyst supports, biolabeling, electroconductive coatings and optical fibers.

Most computer hard drives contain giant magnetoresistance heads that, through nano-thin layers of magnetic materials, allow for a substantial increase in storage capacity. Other electronic applications include non-volatile magnetic memory, automotive sensors, mine detectors and solid-state compasses.

Additional products, available today, that benefit from the unique properties of nanoscale materials, include:

- Paints and coatings to protect against corrosion, scratches and radiation
- Protective and glare-reducing coatings for eyeglasses and cars
- Metal-cutting tools
- Sunscreens and cosmetics
- Longer-lasting tennis balls
- Light-weight, stronger tennis racquets
- Stain-free clothing and mattresses
- Dental-bonding agents
- Burn and wound dressings
- Inks

In addition, the National Nanotechnology Initiative is funding a variety of projects exploring new applications for nanomaterials. Among the recent achievements:

Use of the bright fluorescence of semiconductor nanocrystals (quantum dots) for dynamic angiography in capillaries hundreds of micrometers below the skin of living mice-about twice the depth of conventional angiographic materials and obtained with one-fifth the irradiation power.

Nano-electromechanical sensors that can detect and identify a single molecule of a chemical warfare agent-an essential step toward realizing practical field sensors.

Nanotube-based fibers requiring three times the energy-to-break of the strongest silk fibers and 15 times that of Kevlar fiber.

Nanocomposite energetic materials for propellants and explosives with more than twice the energy output of typical high explosives.

Prototype data storage devices based on molecular electronics with data densities more than 100 times that of today's highest density commercial devices.

Field demonstrations of iron nanoparticles that can remove up to 96 percent of a major contaminant from groundwater at an industrial site.

Sources: NIOSH, National Nanotechnology Initiative

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#### ANSI Establishes Nanotechnology Standards Panel

ANSI has formed a Nanotechnology Standards Panel, a new coordinating body for the development of standards in the area of nanotechnology. The panel's first meeting was held Sept. 29-30, in Gaithersburg, Md.

The U.S. Office of Science and Technology Policy in the Executive Office of the President asked ANSI to address this area of standardization in support of academia, industry, the investment community and government agencies that utilize nanotechnology.

A Steering Committee is being formed and will be co-chaired by Clayton Teague, director of the National Nanotechnology Coordination Office; Vicki Colvin, professor of chemistry at Rice University and director of the National Science Foundation-sponsored Center for Biological and Environmental Nanotechnology; and David Bishop, vice president of nanotechnology research at Lucent Technologies and president of the New Jersey Nanotechnology Consortium.

The ANSI-NSP is open to all interested parties. AIHA has already been in contact with ANSI about potential participation in the group.

For more information, please visit the ANSI website at [www.ansi.org/nsp](http://www.ansi.org/nsp).

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#### Nanotechnology Resources

NIOSH Nanotechnology Page:  
[www.cdc.gov/niosh/topics/nanotech](http://www.cdc.gov/niosh/topics/nanotech)

Royal Society and Royal Academy of Engineering (U.K.) Study on Nanotechnology: [www.nanotec.org.uk/index.htm](http://www.nanotec.org.uk/index.htm)

National Nanotechnology Initiative: [www.nano.gov](http://www.nano.gov)

NNI Links to Nanotechnology Resources:  
[www.nano.gov/html/res/links.html](http://www.nano.gov/html/res/links.html)

ANSI Nanotechnology Standards Panel: [www.ansi.org/nsp](http://www.ansi.org/nsp)

## Michigan Occupational and Environmental Medicine Association (MOEMA) Conference

Interested in earning more ABIH CIH CM points? You may consider attending the MOEMA conference.

Event = Current Topics in Occupational and Environmental Medicine 2005  
 Dates = September 22-23, 2005  
 ABIH CM Points = 0.5 points/0.5 day (2 total)  
 Rubric Area = IH  
 ABIH Approval Number = 05-1092  
 Sponsor = Michigan Occupational and Environmental Medicine Association (MOEMA)  
 Location = Lansing, Michigan

For a brochure with registration information, please go to [www.MIHSweb.org](http://www.MIHSweb.org), and click on the link on the Home Page.

## LOOKING FOR IH JOBS?

by Laura Randall, CIH, MIHS Board

New IH job postings are continuously added to the MIHS website.

To view them, please go to:

- 1) [www.MIHSweb.org](http://www.MIHSweb.org)
- 2) click on "Informational and Support Links" on the left-hand sidebar link
- 3) click on "IH Job Postings"

The most recent postings are at the top of the page.

## MIHS at the AIHce in Anaheim, California

Here are a few pictures of MIHS members at the AIHce in Anaheim, California.

Thank you to Rich McLonis, CIH, and Pat Brogan, CIH, PhD for these pictures.



## Wayne State University Alumni Reception at the AIHce in Anaheim, California

Here are a few pictures of Wayne State University (WSU) alumni reception at the AIHce in Anaheim, California.

Thank you to Rich McLonis, CIH, and Pat Brogan, CIH, PhD for these pictures.





## MIHS Treasury Report

By Tim Kearney, CSP, MIHS Treasurer

### MIHS Cash Flow Statement - April 24, 2004 - July 1, 2005

#### INCOME

Advertising	350.00
Interest Inc	369.97
Meeting Income	2,522.95
MIHS AIHA Review Course	12,521.00
TOTAL Meeting Income	15,043.95
Membership Dues	3,641.49
<b>TOTAL INCOME</b>	<b>19,405.41</b>

#### EXPENSES

Awards	222.84
Awards - Students	300.00
TOTAL Awards	522.84
Exhibit Shipping Expense	218.63
Marketing Expense MSSC	480.00
Meeting Expense	4,054.41
PayPal Expense	133.85
Postage and Delivery	445.23
Website & Newsletter Production	
Email Broadcast	145.10
Newsletter Productions	1,157.50
Website Maintenance	2,165.85
TOTAL Website & Newsletter ...	3,468.45
<b>TOTAL EXPENSES</b>	<b>9,323.41</b>
<b>OVERALL TOTAL</b>	<b>10,000.82</b>

### MIHS Account Balance Sheet - April 24, 2004 - July 1, 2005

#### ASSETS

Cash and Bank Accounts	
Certificate of Deposit	24,626.51
Checking	23,851.06
Petty Cash	58.32
TOTAL Cash and Bank Accounts	48,535.89
<b>TOTAL ASSETS</b>	<b>48,535.89</b>

#### LIABILITIES & EQUITY

LIABILITIES	0.00
EQUITY	48,535.89
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>48,535.89</b>

## MIHS Board Meeting

**Scribe:** Carrie Brown  
**Facilitator:** Lisa Quiggle  
**Date:** June 29, 2005  
**Time:** 10:10 AM - 12:17 PM Eastern Time  
**Location:** Holiday Inn Laurel Park

### Board Members: (\* in attendance, # absent, + substitute)

Name	
*	Lisa Quiggle - President
*	Sarunas (Sharkey) Mingela - President Elect
*	Aaron Jacob - Treasurer
#	Boyd Henry Rose - Secretary
*	Carrie Brown
*	Bill Cleary
*	Andy Crause
#	Ron Drafta
#**	Rich McLonis Tracy Parsons Laura Randall
*	Pier-George Zanoni

### Agenda

Item No.	Subject
1.	Report from President
2.	Report from Secretary
3.	Report from Treasurer
4.	Committee Reports <ul style="list-style-type: none"> <li>• Newsletter</li> <li>• Awards</li> <li>• Student Sections</li> <li>• Safety Conference</li> <li>• Membership</li> <li>• Website</li> <li>• Joint Programs</li> <li>• PDC Programs</li> </ul>
5.	New Business <ul style="list-style-type: none"> <li>• By-law Review</li> <li>• 2005 AIHA Local Section Questionnaire</li> <li>• PowerPoint Projector</li> </ul>
6.	Review of Action Items
7.	Schedule Conference Call

## Minutes

Agenda Item No.	Main Points, Conclusions/Discussions, Decisions, Next Steps
1.	Report from President <ul style="list-style-type: none"> <li>• Items from president captured in morning meeting</li> </ul>
2.	Report from Secretary <ul style="list-style-type: none"> <li>• Boyd is unable to attend meeting</li> <li>• Action items should be tracked in minutes by secretary (committee, lead, task and date)</li> </ul>
3.	Report from Treasurer <ul style="list-style-type: none"> <li>• Some questions were raised about the treasury report - the income from dues does not appear to reflect the number of members multiplied by the amount of dues. Reason: some "Honorary" members (who don't pay dues) are categorized as Full members, since there is not a status category for that yet in the database; they simply have expiration dates that extend to the year 9999. Laura discussed this several times in the past with the Webmaster, Doug. He is looking into adding the category; however, it would involve re-writing several lines of code, which would be costly for MIHS. We may keep with the current system to save costs for now. When sorting the database, remember to look at the expiration dates for the members.</li> <li>• Board approved new format for monthly treasury report, will break down whether meetings made or lost money, allow for easier determination of what amount of money is available in budget</li> <li>• Argus offered business resources to manage treasury reports, but Aaron will handle independently</li> <li>• Aaron will check to see what is the maximum amount of available dollars in order to be classified as a non-profit</li> </ul> Committee Reports <ul style="list-style-type: none"> <li>• Newsletter (Laura) - Andy volunteered to write introduction to Synergist article for the next newsletter, other features will include president's message, committee summaries, board meeting minutes, planned activities for fall</li> <li>• Awards/Best Paper (Pier-George) - Board members were assigned a month for best paper journal article reviews, Pier-George will revise and distribute the evaluation form, Laura will send broadcast asking for more volunteers (Subsequently, Laura sent out a broadcast email and we received several volunteers from the Membership. Board members volunteered as well. Here is the schedule as follows:              Jan 2005 Cindy Ostrowski              Feb 2005 Carrie Z. Brown              Mar 2005 Andy Crause              Apr 2005 Tracy Parsons              May 2005 Laura Randall              Jun 2005 Bill Cleary              Jul 2005 Tom Kakos (to be confirmed)</li> </ul>

Aug 2005 Bob Lieckfield

Sept 2005 Bill Bishop

Oct 2005 Pier-George Zaroni

Nov 2005 Rich McLonis

Dec 2005 Ravi Vangipuram

- Awards/Student Night and Scholarships (Sharkey) - Student Night at the Italian Epicure will be expanded to a half day conference/career fair with speakers from different IH professions in late January or early February; Board voted to make a one time contribution of \$500 to the AIHF Local Section Scholarship fund and also award two \$1500 MIHS local scholarships annually through AIHF, one student from University of Michigan and one from Wayne State graduate IH programs, first preference given to Michigan residents
- Student Sections (Sharkey) - will provide support to both University of Michigan and Wayne State student sections
- Safety Conference (Tracy) - will coordinate purchasing the space at the April conference, ordering the AIHA booth, shipping it to the next location, coordinating volunteers, selecting a giveaway
- Membership (Andy) - will obtain list of Michigan members of AIHA and ABIH, membership dues are due September 1-November 30, Laura will continue checking PayPal and mail for dues and updating member profiles on the database on the website, extending the expiration dates a year. Laura will send current list of members out
- Website (Laura) - working with webmaster Doug to load items, Laura now does all broadcast messages (would cost \$10 if Doug sent broadcasts as it was originally set up), Laura can send out passwords for Board Member Only section, board discussed problems with members registering online for meetings and planning to pay in person but then not showing up (Laura, Lisa and Aaron will work on), discussed lack of use of the forum on the website (Laura will send broadcast to members and check postings for appropriate content)
- Joint Programs - Spring program with ASSE (last spring was machine guarding), CHMM, West Michigan local section, MOEMA- PDC Programs (Sharkey) - one full day PDC program will be held in September in Frankenmuth and one in Troy at the MSU Management Education Center in October; several new ideas for programs were discussed including a half day on confined space, a certification day with representatives from different organizations targeted toward members looking for additional certifications, a focus on PPE, and a tour of the Marathon refinery ( as previously offered by MIHS member, Jim Kenyon).

5.

New Business

- By-law review - Sharkey handed out current MIHS by-laws and emailed his revisions to the board for review, changes will need to be ratified by members, then ultimately mailed to membership for voting.
- AIHA Local Section Questionnaire - will be filled out by Lisa, Laura and Aaron

- PowerPoint Projector - will not be purchased at this time, but should not be rented either, borrow from Argus per Aaron
  - Board unanimously voted to ask Ron Drafta to fill the position that Nicole Ivers vacated on the board due to job transfer out of state.
6. Schedule Conference Cal
- Week of August 8, specific date and time will be coordinated by Lisa over email, Tracy will arrange conference call phone number

### Action Items

Item No.	Date Opened	Description	Assigned To	Committee	Date Closed
1	6-29-05	How much available budget is a non-profit allowed to have?	Aaron	Treasurer	
2	6-29-05	Best paper journal article reviews	Board Members	Awards	
3	6-29-05	One time contribution of \$500 to AIHF Local Section Scholarship fund	Lisa	Awards	
4	6-29-05	Revise registration to avoid members signing up for meetings that they don't attend or pay for	Laura, Lisa, Aaron	Website	
5	6-29-05	Review of MIHS By-laws	All	-	
6	6-29-05	AIHA Local Section Questionnaire	Lisa, Laura, Aaron	-	

## 2005-2006 Officers and Executive Boards

### MIHS Officers

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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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Consultants

Interested in joining the Western Michigan  
Industrial Hygiene Society (WMIHS)?

Please contact:  
Julie Callaway  
WMIHS Secretary  
269-329-1237  
jcallaway@bdnihc.com

*For more information on how to contact the MIHS  
Officers and Board Members, please go to  
[www.MIHSweb.org](http://www.MIHSweb.org) and click on "Board Members" on  
the left-hand sidebar link.*