



## "Measuring and Controlling Heat Stress "

The Chicago Local Section of the American Industrial Hygiene Association would like to invite you to a half-day PDC on Measuring and Controlling Heat Stress. You will learn the latest science of heat stress, use state of the art instruments to conduct hands-on measurements, and learn about the impacts of PPE on heat stress and control.

**Date** | Thursday, April 26, 2018

**Location** | RAECO Rents, 135 Bernice Dr., Bensenville, IL 60106

### Schedule

07:30 – 08:00 .. Registration & Continental Breakfast

08:00 – 09:30 .. Session 1: "Heat Balance and Heat Exchange"

09:30 – 09:45 .. BREAK

09:45 – 11:30 .. Session 2: "Hands-on Workshop"

11:30 – 12:00 .. LUNCH

10:30 – 12:00 .. Session 3: "Physiological monitoring to evaluate workers response to heat stress"

### Instructors

Session 1: Dr. Neil Zimmerman, PhD, PE, CIH | Professor Emeritus - Purdue University

Session 2: Randy Walkowiak | Heat Stress Measurement Workshop

Session 3: Mike Schmoldt, CIH, PE, CHMM | Industrial Hygienist - Argonne National Laboratory

### Cost

Students ..... \$30

Full Members .. \$75

Affiliate Members & Guests \$85



**“Dr. Neil Zimmerman** has been the most influential individual in my life for the last five years at Purdue University. I transferred to Purdue from Tri-

state University to the Purdue University School of Aeronautical and Astronautical Engineering in the fall of 2004. After reading about job opportunities in the Health Sciences, I was referred to meet with Dr. Zimmerman. After speaking with Dr. Zimmerman, I felt genuinely energized about occupational health. He not only made me want to change my major, but he made me feel inspired about what I could be doing in the area of worker health. The next summer, before I officially changed my major, I pursued an internship in the occupational health field. After working at the internship, I was ultimately convinced to change my major to Occupational Health.

In my first semester in the School of Health Sciences, Dr. Zimmerman persuaded me to join the Purdue Industrial Hygiene Student Association (PIHSA). Dr. Zimmerman is also very involved in PIHSA, and provides great enthusiasm for industrial hygiene outside of the classroom. Because Dr. Zimmerman is involved in the organization, he has provided students many opportunities by advertising scholarships, internships, and research contests related to occupational health. After the first meeting, I had decided to participate in an undergraduate research contest. Dr. Zimmerman volunteered to help me organize and display research I had done

the previous summer during my internship. Consequently, I won first place in the multi-collegiate undergraduate contest for best research. Additionally, I feel Dr. Zimmerman strives to get to know every student individually. I feel that I have been able to receive better recommendations for scholarships and job opportunities because of his commitment to the individual. In addition, Dr. Zimmerman has also been a great resource for questions dealing with occupational health outside of school. He has always been there to answer questions that I have had during the summer for my internships. Because of these reasons, he is a significant component for my decision to continue with my graduate education at Purdue University. Dr. Zimmerman has been an excellent teacher, motivator, and mentor, and I am honored that I have been given the opportunity to be his student.”



Beauregard M. Middaugh CIH, CSP  
Sr. Industrial Hygienist & EHS  
Systems Manager, Indiana  
University  
November 2, 2008, Beauregard M.  
reported directly to Neil



**Randy Walkowiak’s** passion lies in helping others. His involvement with an employee-owned small business aligns with his drive: helping keep those who work in dangerous environments safe. He remains active with the Chicago Local Section, despite never holding a formal position.



**Mike Schmoldt** is an Industrial Hygienist at Argonne National Laboratory. He earned his BS/MS at the University of Iowa in Environmental Engineering, MS in Occupational Health at the University of Michigan, MBA at Edgewood College in Madison, WI and is currently completing his Ph.D dissertation at Washington State University. Mr. Schmoldt is a Registered Professional Engineer in Wisconsin, Certified Industrial Hygienist and Certified Hazardous Materials Manager.

Mr. Schmoldt has managed heat stress programs for construction firms, industry, and governmental agencies such as:

- Olin Corp. Ordnance Division
- Montgomery Watson Harza Constructors,
- NASA Plumbrook, OH site decommissioning
- Fluor/CH2M Hill and URS/AECOM at the Dept. of Energy Hanford nuclear facility in WA state.

His employer at the Hanford site was awarded the National Safety Council Innovation award, and OSHA’s VPP award for Innovation for the Physiological Monitoring program he developed, which has been shared with over a dozen other DOE facilities and laboratories and industries that must meet the requirements of the ACGIH heat stress Threshold Limit Values (TLVs).

Mr. Schmoldt was nominated by NIOSH and is currently serving on a National Academy of Sciences committee on Respiratory Protection.