

# Zachary D. Hansmann, Ph.D., CSP, CHMM, ARM

East Lansing, MI 48824

[hansmann@msu.edu](mailto:hansmann@msu.edu)

(517) 980-3670

## EDUCATION:

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### **Doctor of Philosophy (Ph.D.)**

*Planning, Design, and Construction*

Dissertation Title: The Owner's Role in Contractor Safety Management: A Pattern Language

Fields of Specialization: Construction safety, risk management, organizational behavior, labor relations, human resources, construction contracts, and legal applications.

2015 – 2019

*School of Planning, Design, and Construction*

Michigan State University

East Lansing, MI 48824

### **Master of Science (M.S.)**

*Construction Management*

2011 – 2015

*School of Planning, Design, and Construction*

Michigan State University

East Lansing, MI 48824

### **Bachelor of Science (B.S.)**

*Human Biology*

2002 – 2006

*College of Natural Science*

Michigan State University

East Lansing, MI 48824

## CERTIFICATIONS:

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### **Certified Safety Professional (CSP)**

No. 24406

*Board of Certified Safety Professionals*

Indianapolis, IN 46268

### **Certified Hazardous Materials Manager (CHMM)**

No. 16265

*Institute of Hazardous Materials Management*

Rockville, MD 20852

### **Associate in Risk Management (ARM)**

No. 900096843

*The Institutes*

Malvern, PA 19355

### **OSHA Authorized Construction Industry Outreach Trainer (OSHA 500)**

No. C0062186

*Great Lakes OSHA Education Center*

Cincinnati, OH 45267

### **Associate Constructor (AC)**

No. 11819

*American Institute of Constructors*

Alexandria, VA 22314

## WORK EXPERIENCE:

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### **Occupational Safety Officer (Interim)**

June 2023 – Present

*Michigan State University*

Office of Environmental Health and Safety

E. Lansing, MI 48824

- Oversee occupational safety compliance for 25,000 university employees across 24.5M s.f. of facilities
- Establishes, promotes, and enforces campus industrial and occupational safety policies and procedures
- Manages accident and injury investigations and proposes and tracks corrective actions
- Conducts periodic inspections and compliance audits to ensure adherence to written programs and regulations
- Prepares written risk assessments and job hazard analyses to facilitate safe employee work activity
- Serves as liaison and exchanges information with local, state, and federal safety regulatory agencies
- Participates in occupational health, safety, and compliance related committees, meetings, conferences, and seminars in order to improve knowledge and consult with experts and peers

# **Zachary D. Hansmann, Ph.D., CSP, CHMM, ARM**

## **Contractor Safety Manager**

February 2018 – Present

*Michigan State University*  
Office of Environmental Health and Safety  
E. Lansing, MI 48824

- Responsible for creation and implementation of university-wide construction safety oversight program
- Principal owner liaison with contractors to facilitate construction safety and risk management requirements
- Lead EHS staff subject matter experts' participation in university project design, construction, and commissioning
- Support owners' project managers through onsite walkthroughs and compliance audits with contractor management
- Track real time contractor safety performance through enterprise-wide data collection and analysis
- Support identifying and providing solutions for construction and environmental hazards associated with operations

## **Adjunct Faculty – Construction Management**

August 2019 – Present

*Michigan State University*  
School of Planning Design and Construction  
E. Lansing, MI 48824

- Teaching Graduate and Undergraduate students in the School of Planning, Design, and Construction.

## **Principal**

September 2016 – Present

*The Hansmann Group*  
Okemos, MI 48864

- Work with owners to evaluate their risk and liability to determine appropriate involvement in safety management
- Assist contractors in improving safety performance to meet the needs of their employees and business objectives
- Develop manuals, guidelines, procedures, and other program documents for owners and contractors

## **Construction Safety Manager**

September 2013 – March 2019

*Michigan State University*  
Facility for Rare Isotope Beams (FRIB)  
E. Lansing, MI 48824

- Oversaw construction safety for the 730-million dollar US Department of Energy funded nuclear physics project
- Represented construction safety performance to external auditors and reviewers from federal funding agency
- Developed and operated a behavior based leading indicator program to evaluate contractor performance
- Acted as Interim Occupational Safety Officer, managing 700+ employees in an R&D and production environment

## **Environmental Coordinator**

September 2007 – February 2014

*Michigan State University*  
Office of Environmental Health and Safety  
E. Lansing, MI 48824

- Created and enforced the university's environmental policies relating to asbestos, lead, PCBs, and mold
- Coordinated asbestos and lead management activities for 22.8 million square feet of university owned facilities
- Managed hazardous material project design on all minor (>\$250,000) and major (\$1,000,000+) projects
- Created annual prequalification process for asbestos abatement contractors seeking on-campus contracts
- Established inspection procedures and recordkeeping systems to meet federal regulatory compliance requirements

## **Industrial Hygienist**

May 2006 – September 2007

*Fibertec Industrial Hygiene Services*  
Industrial Hygiene Division  
Holt, MI 48842

- Provided on-site air monitoring, regulatory compliance oversight, and project management for remediation projects
- Performed asbestos inspections, industrial hygiene investigations, and physical assessments for various clients
- Conducted lead risk assessments and inspections following EPA/HUD and MDHHS guidelines

# Zachary D. Hansmann, Ph.D., CSP, CHMM, ARM

## PROFESSIONAL AFFILIATIONS:

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**American Society of Safety Professionals (ASSP)**  
Professional Member, No. 10048127

Mid-Michigan Chapter

### **Michigan Safety Conference**

Executive Vice-President (2023-2024), Board of Directors (2017-Present)

Construction Division Member (2013 - Present), Arrangements Committee Chair (2016 - Present)

### **Sigma Lambda Chi International Honor Society**

## CONFERENCE PRESENTATIONS:

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### **“Multi-Employer Citation Policy Update: Perspective from an Employer and a Regulator”**

*Michigan Safety Conference*

Construction Division

Grand Rapids, Michigan  
April 2023

### **“Multi-Employer Worksite Safety: Balancing Compliance and Culture”**

*American Society of Safety Professionals, Mid-Michigan Chapter*

Safety Leadership Series

Lansing, Michigan  
September 2022

### **“Silo Fire & Demolition Case Study: Emergency Response and Aftermath”**

*Michigan Safety Conference*

Agriculture Safety and Rescue Division

Lansing, Michigan  
April 2022

### **“Navigating the Varying Safety Expectations of Owners”**

*Associated General Contractors (AGC) of Michigan*

Construction Safety Conference

Livonia, Michigan  
March 2020

### **“Understanding the Owner’s Role in Construction Safety”**

*Indiana Safety and Health Conference and Expo*

Construction and Maintenance Division

Indianapolis, Indiana  
February 2020

### **“Leading Indicators: Industry Trends and Predicting Tomorrow”**

*Michigan Safety Conference*

Construction Division

Novi, Michigan  
April 2017

*Construction Association of Michigan*

Safety Leadership Conference

Oakland, Michigan  
December 2017

### **“The Owner’s Role in Construction Safety: Risk, Responsibility, and Reward”**

*Alliance of Hazardous Materials Professionals*

National Conference

Washington, D.C.  
August 2016

*American Society of Safety Professionals, Mid-Michigan Chapter*

Safety Leadership Series

Midland, Michigan  
August 2016

*Michigan Safety Conference*

Construction Division

Grand Rapids, Michigan  
April 2016

*Construction Association of Michigan*

Safety Leadership Conference

Livonia, Michigan  
December 2015