

Zachary D. Hansmann, M.S., CSP, CHMM

Industrial hygienist with specialty experience in occupational safety and risk management

East Lansing, MI 48823

(517) 980-3670

zach@hansmanngroup.com

WORK EXPERIENCE:

Principal

September 2016 – Present

The Hansmann Group

E. Lansing, MI 48824



- 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
- Speak at local, state, and national industry conferences to raise awareness of safety management challenges
- Develop manuals, guidelines, procedures, and other program documents for owners and contractors

Construction Safety Manager

September 2013 – Present

Michigan State University

Facility for Rare Isotope Beams (FRIB)

E. Lansing, MI 48824



- Oversee construction safety for the 730-million dollar US Department of Energy funded nuclear physics project
- Responsible for creation and implementation of university-wide construction safety oversight program
- Present construction safety performance to external auditors and reviewers from federal funding agency
- Develop and operate a behavior based leading indicator program to evaluate construction manager performance
- Design and deliver OSHA 30-hour Construction Safety courses for staff, students, and contractors

Environmental Coordinator

September 2007 – February 2014

Michigan State University

Department 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

Biological Safety Aide

May 2004 – May 2006

Michigan State University

Office of Radiation, Chemical, and Biological Safety

E. Lansing, MI 48824



- Assisted in the day to day operations, including laboratory inspections, recordkeeping, and respirator fit tests
- Conducted annual autoclave inspections for research facilities throughout the Michigan State University campus

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EDUCATION:

Doctor of Philosophy (Ph.D.) Student

Planning, Design, and Construction

Dissertation Title: The Owner's Role in Contractor Safety Management: A Pattern Language
2015 – Present

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:

Certified Safety Professional (CSP)

No. 24406

Board of Certified Safety Professionals

Champaign, IL 61821

Certified Hazardous Materials Manager (CHMM)

No. 16265

Institute of Hazardous Materials Management

Rockville, MD 20852

OSHA Authorized Construction Industry Outreach Trainer (OSHA 500)

No. C0062186

Great Lakes OSHA Education Center

Cincinnati, OH 45267

Asbestos Building Inspector

No. A35562

Michigan Department of Licensing and Regulatory Affairs

Lansing, MI 48933

Lead Inspector, Risk Assessor, and Elevated Blood Lead (EBL) Investigator

No. P-03413

Michigan Department of Health and Human Services

Lansing, MI 48913

Associate Constructor

No. 11819

American Institute of Constructors

Alexandria, VA 22314

PROFESSIONAL AFFILIATIONS:

American Society of Safety Engineers (ASSE)

Professional Member

Construction Practice Specialty Member

No. 10048127

Lansing Chapter

Michigan Safety Conference

Board of Directors

Arrangements Committee Chair

Construction Division Member

Michigan Association of Hazardous Materials Professionals (MI-AHMP)

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CONFERENCE PRESENTATIONS:

- “Leading Indicators: Industry Trends and Predicting Tomorrow”** Novi, Michigan
April 2017
Michigan Safety Conference
Construction Division
- “The Owner’s Role in Construction Safety: Risk, Responsibility, and Reward”** Midland, Michigan
August 2016
American Society of Safety Engineers, Lansing Chapter
Safety Leadership Series
- “The Owner’s Role in Construction Safety: Risk, Responsibility, and Role”** Washington, D.C.
August 2016
Alliance of Hazardous Materials Professionals
National Conference
- “The Owner’s Role in Construction Safety”** Grand Rapids, Michigan
April 2016
Michigan Safety Conference
Construction Division
- “Navigating the Relationship Between the Owner and Contractor”** Livonia, Michigan
December 2015
Construction Association of Michigan
Safety Leadership Conference

OCCUPATIONAL TRAINING (Selected):

- Occupational Safety & Health Standards for the Construction Industry (OSHA 510)** *Eastern Michigan University*
Great Lakes Regional OTI Education Center
Ypsilanti, MI 48197
- Intermediate Incident Command Systems for Expanding Incidents (FEMA ICS 300)** *Michigan State Police*
Lansing, MI 48910
- OSHA 30 Hour Construction Industry Safety Outreach Training** *360 Training*
Austin, TX 78727
No. 36-600783665
- OSHA 10 Hour General Industry Safety Outreach Training** *MSU Residential Hospitality Services*
East Lansing, MI 48825
No. 36-600783665

OTHER EXPERIENCE and VOLUNTEER WORK:

- Guest Lecturer for *CMP 401 Construction Safety* in the MSU School of Planning, Design, and Construction
- Michigan State University Alpine Ski Team, President ('05-'06), VP ('04-'05), Faculty Advisor ('07-Present)
- Medical Photographer, Michigan State University College of Human Medicine (2003 - 2006)

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ACADEMIC COURSEWORK:

Doctor of Philosophy (Ph.D.), Planning, Design, and Construction:

- Organizational Behavior for Human Resources and Labor Relations (HRLR 813)
- Organizational Development and Change (HRLR 816)
- Human Resources Practices and Decisions (HRLR 820)
- Independent Study in Human Resources and Labor Relations for PhD (HRLR 990)
- Participatory Modes of Inquiry (CSUS 838) – *Anticipated Fall 2017*
- Integrated Approach to Sustainable Planning, Design, and Construction (PDC 901)
- Advanced Research Methods in Planning Design and Construction (PDC 992)
- Doctoral Dissertation Research (PDC 999)

Master of Science (M.S.), Construction Management:

- Advanced Project Scheduling (CMP 811)
- Advanced Cost Estimating and Analysis (CMP 815)
- Construction Project Management and Information Systems (CMP 817)
- Contracts and Legal Issues in Construction (CMP 822)
- Occupational Health and Safety in Public Health (HM 858)
- Environmental Toxicology (EVSP 594)
- Construction Management Research Seminar (CMP 892)
- Economics of Environmental Resources (AEC 829)
- Structural Systems (CMP 322)
- Statics and Strengths of Materials (CMP 222)
- Construction Surveying (CMP 315)
- Commercial Construction (CMP 210)
- Watershed Concepts (ESA 452)
- Building and Implementing Watershed Management Plans (ACR 841)
- Watershed Assessment and Tools (CSUS 842)
- Construction Management Independent Study (CMP 890)