

**CHARLES "CHRIS" B. KEIL**

Environmental Health Program  
223 Health Center  
Bowling Green State University  
Bowling Green, Ohio 43403-0280  
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**EDUCATION**

Ph.D. University of Illinois at Chicago, 1994  
Major: Public Health, Environmental and Occupational Health Science  
Dissertation: "Process Specific Emission Factors at Three Offset Lithography Shops"

M.S. University of Illinois at Chicago, 1991  
Major: Public Health, Environmental and Occupational Health Science  
Dissertation: "Development of a Two-Phase Receptor Model for Municipal Waste Incineration in Chicago"

Illinois Institute of Technology, 1988 – 1999  
Environmental Engineering, non-degree study

B.S. Wheaton College, 1987  
Major: Biology

**PROFESSIONAL CERTIFICATION**

American Board of Industrial Hygiene, Certified Industrial Hygienist #7497 -  
Comprehensive Practice

**PROFESSIONAL EXPERIENCE**

Associate Professor, 2000 – present, Assistant Professor 1994 – 2000, Bowling Green State University, College of Health and Human Services, Environmental Health Program, Bowling Green, OH, Acting director spring 1996 and spring 2005.

Adjunct Associate Professor, 2000 – present, Adjunct Assistant Professor, 1995 – 2000, Medical University (College) of Ohio, School of Allied Health, Department of Public Health, Toledo, OH.

Visiting Associate Professor, University of Veszprém, Department of Environmental Engineering and Chemical Technology, Veszprém, Hungary, January 2003 – May 2003.

Adjunct Faculty, Wheaton College Science Station, Rapid City, SD, Summers 1996, 1998 – 2004, 2006.

Industrial Hygienist: Frontline Inc., Environmental and Occupational Health Consultants, Lansing, IL, 1992 - 1994.

Research Specialist and Research Assistant: University of Illinois at Chicago, School of Public Health, Environmental and Occupational Health Sciences Department, Chicago, IL, 19981 - 1994.

Assistant Biologist: Illinois Institute of Technology Research Institute, National Toxicology Program Inhalation Toxicology Contract Lab, Chicago, IL, 1988 - 1989.

Lab Assistant: Biology Department, Wheaton College, Wheaton, IL, 1985 - 1987.

## **PROFESSIONAL MEMBERSHIPS**

American Industrial Hygiene Association  
Air and Waste Management Association  
American Scientific Affiliation  
National Environmental Health Association  
American Public Health Association

## **HONORS**

AIHA Press Publications Honorable Mention, 2001  
Undergraduate Student Government Faculty Excellence Award, 1996  
Dean's Contingency Award for Excellence, 1995  
National Institute of Occupational Safety and Health Traineeship  
American Industrial Hygiene Association Foundation Fellowship  
4 year Army ROTC scholarship

## **GRANTS AND CONTRACTS**

### **External**

“REAL – Regents’ Environmental Academy for Learning”, \$340,000 Ohio Board of Regents, January 2007 – December 2007.

“Excite Odysseys”, \$49,971 Ohio Environmental Education Fund, Co-PI with Jodi Haney, November 2005 – April 2007.

“Occupational Hygiene Training in Ethiopia” \$5,000 American Industrial Hygiene Association, February – March 2005.

“Project EXCITE” Environmental Health Science Explorations Through Cross-Disciplinary and Investigative Team Experiences” \$1,800,000 National Institute of Environmental Health Sciences, R25-ES10705-01, 2000 - 2007.

“Industrial Hygiene Educational Equipment Grant”, SKC Inc., \$2,500 May 1997 and \$2,000 Nov. 2001.

"Evaluation and Modeling of Traffic Noise on a Housing Development Location", \$1,000 contract, Neighborhood Works of Toledo, October - December 1995.

“Trihalomethane Formation in Existing and Pilot Water Treatment Facilities”, with Silverman, G.S., \$1,645 contract, March 1995 - October 1995.

"Modeling Workplace Toluene Vapor Transport", \$750 contract, April 1995 - June 1995.

“Air Quality Educational Equipment Grant”, \$4,500, Graseby GMW, November 1994.

### **BGSU Internal**

“Quantitative Evaluation of Food Service Inspection Outcomes” \$2,550, Bowling Green State University, Scholars Assistance Program: Bridge Fund, CO PI with Hailu Kassa, June – August 2002.

“Project Based Environmental Health Science Experiences for Science Education Majors” \$3,000, Bowling Green State University, Creative Imaginings for Student Success, June - July 2000.

“Turbulence and Fluid Dynamics Theory Applied to Indoor Air Pollution Exposure Modeling”, \$5,000, Bowling Green State University Alumni Association Summer Research Fellowship, May - August 1997.

"Characterization of Potential Airborne Hazards to Workers from Specific Organic Components in Industrial Solvents", \$5,000 Bowling Green State University Faculty Research Committee, July 1995 - August 1996.

"Research Challenge Grant" \$2,000, Bowling Green State University Graduate College, September 1994.

Travel Grants, \$3,500, American Industrial Hygiene Association, 1994 - 2003

### **PEER REVIEWED JOURNAL MANUSCRIPTS**

Haney, J., Wang J. and **Keil**, C. (Accepted for Publication, January 2007) Enhancing Teachers’ Beliefs and Practices Through the Implementation of Problem-Based Learning Focused on Locally Pertinent Environmental Health Science Issues. J. Environ. Ed.

Haney, J. J., **Keil**, C., Zoffel, J. From problem solving to taking action: A problem-based learning odyssey model for the middle grades. Ohio Middle School Association Journal 30 (1) 6 – 11, 2007

**Keil**, C. and Murphy, R.: An Application of Exposure Modeling in Exposure Assessments for a University Chemistry Teaching Laboratory. J. Occup. Environ. Hyg. 3 (2) 99 – 106,

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2006.

**Keil, C., Kassa, H. and Fent K.:** Evaluation of Kitchen Hood Performance in Food Service Operations. Nat. Environ. Health Assoc. J. 67 (5): 25 – 30, 2004.

Kassa, H, **Keil, C.** and Fent K.: A Protocol for Quantitative Measurement of Light Intensity Levels in Food Service Operations. Nat. Environ. Health Assoc. J. 67: 9 – 14, 2004.

**Keil, C.B., Nicas, M.:** Predicting Room Vapor Concentrations due to Spills of Organic Solvents. Am. Ind. Hyg. Assoc. J. 64: 444 – 454, 2003.

**Keil, C.B., Akbar, F. and Konecny, K:** Characterizing Formaldehyde Emission Rates in a Gross Anatomy Laboratory. Appl. Occup. Environ. Hyg., 16: 967 - 972, 2001.

**Keil, C.B.:** A Tiered Approach to Deterministic Models for Indoor Air Exposures. Appl. Occup. Environ. Hyg., 15: 145 - 151, 2000.

**Keil, C.B.:** The Development and Evaluation of an Emission Factor for a Toluene Parts Washing Process, Am. Ind. Hyg. Assoc. J. 59: 14 - 19, 1998

**Keil, C.B.:** Modeling Environmental Noise from Highway Traffic, Oh. J. Env. Hlth. 107 - 109, July/Aug, 1997.

**Keil, C.B., Wadden, R.A., Scheff, P.A., Franke, J.E., and Conroy, L.M.:** Determination of Multiple Source VOC Emission Factors in Offset Printing Shops. Appl. Occup. Environ. Hyg., 12: 111 - 121, 1997.

Wadden, R.A., Scheff, P.A., **Keil, C.B.**, Franke, J.E., and Conroy, L.M.: Determination of VOC Emission Rates and Compositions for Offset Printing. J. Air & Waste Manage. Assoc., 45: 547 - 555, 1995.

Wadden, R.A., Scheff, P.A., Franke, J.E., Conroy, L.M., Javor, M., **Keil, C.B.**, and Milz, S.A.: VOC Emission Rates and Emission Factors for a Sheetfed Offset Printing Shop. Am. Ind. Hyg. Assoc. J., 56: 368 - 376, 1995.

Conroy, L.M., Wadden, R.A., Scheff, P.A., Franke, J.E., and **Keil, C.B.:** Workplace Emission Factors for Hexavalent Chromium Plating. Appl. Occup. Environ. Hyg., 10: 620 - 627, 1995.

## BOOKS AND CHAPTERS

“Air Pollution” **Keil C.**, in The Local Boards of Health Environmental Health Primer , National Association of Local Boards of Health, 2003.

Mathematical Models for Estimating Occupational Exposure to Chemicals, **Keil, C.** editor, American Industrial Hygiene Association Publications, 2000.

“Indoor Air Systems” **Keil C.**, Chapter 2 in Mathematical Models for Estimating Occupational Exposure to Chemicals, American Industrial Hygiene Association Publications,

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2000.

“Eddy Diffusion Model” **Keil C.**, Chapter 9 in Mathematical Models for Estimating Occupational Exposure to Chemicals, American Industrial Hygiene Association Publications, 2000.

“Generation Rates” Reinke, P., and **Keil C.**, Chapter 4 in Mathematical Models for Estimating Occupational Exposure to Chemicals, American Industrial Hygiene Association Publications, 2000.

## CONFERENCE PRESENTATIONS

### Exposure Assessment and Modeling

**Keil, C.B.**, Kumie, A and Kassa, H: Carbon Monoxide Exposures On and Near Roadways in Addis Ababa. National Environmental Health Association Educational Conference and Exhibition, Chicago, IL, June 2006.

**Keil, C.B.**, Yimer, S, and Kumie, A: Noise Exposures in an Ethiopian Integrated Textile Mill, paper 204, American Industrial Hygiene Conference and Exposition, Chicago, IL, May 2006.

**Keil, C.B.** and Clutts, D: Location Dependent Variability of Effective Ventilation Rates Within Hospital Isolation Rooms, paper 4, American Industrial Hygiene Conference and Exposition, Chicago, IL, May 2006.

Fahim, M., Bielawski, J., Milz, S., Bisesi, M. and **Keil, C.**: Advantages and Disadvantages of Using the ANSI/ASHRAE 110-1995 Tracer Gas Test Method for Chemical Laboratory Hood Certification. paper 4, Vent 2006 8<sup>th</sup> International Conference, Chicago, IL, May 2006.

**Keil, C.B.**: Methods to Determine Exposure: an Expert’s Experience in the United States, Keynote Speech, ISSA Experts Workshop: Models and Computational Methods to Determine Exposure to Dangerous Substances. Dresden, Germany, September 2004.

**Keil, C.B.**: Exposure to Anesthetic Gases/Formaldehyde/Ethylene Oxide, ISSA Experts Workshop: Models and Computational Methods to Determine Exposure to Dangerous Substances. Dresden, Germany, September 2004.

**Keil, C.B.** and Paradi, T.V.: Hood Capture Efficiencies Measured Using a Unique Tracer Method, paper 47, American Industrial Hygiene Conference and Exposition, Atlanta, GA, May 2004.

**Keil, C.B.**: Approaches to Modeling Airborne Exposure. Exposure Assessment Strategies Symposium, Professional Conference on Industrial Hygiene, Palm Springs, CA, Sept 2003.

**Keil, C.B.**: Modeling Use: Present and Future. Exposure Assessment Strategies Symposium, Professional Conference on Industrial Hygiene, Palm Springs, CA, Sept 2003.

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Lescallet, G. and **Keil, C.**: Interzonal Air Flow Rate for use in Two-Zone Modeling. Paper 34, American Industrial Hygiene Conference and Exposition, Dallas, TX, June 2003.

**Keil, C.B.**: Overview of Semi-Quantitative Exposure Assessment. Exposure Assessment Strategies Symposium, Professional Conference on Industrial Hygiene, Saint Petersburg Beach, FL, Oct 2001.

Akbar-Khanzadeh, F., Konecny, K.A. and **Keil, C.B.**: Predicting Personal Exposure By Area Sampling When The Concentration Of Contaminant Is Uniformly Distributed Throughout The Workplace, paper 235, American Industrial Hygiene Conference and Exposition, New Orleans, LA, June 2001.

**Keil, C.B.** and Nicas, M: Measurement of Evaporation Rates for Estimating Exposure Intensity in Small Spills, paper 35, American Industrial Hygiene Conference and Exposition, Orlando, FL, May 2000.

**Keil, C.B.**, Akbar-Khanzadeh, F, and Konecny K: Formaldehyde Emission Rates From Dissection Tables in a Gross Anatomy Laboratory, paper 4, American Industrial Hygiene Conference and Exposition, Orlando, FL, May 2000.

**Keil, C.B.**, Jones, M., and Nicas, M.: Modeling Exposures from Small Spills of Vaporizing Liquids, paper 217, American Industrial Hygiene Conference and Exposition, Toronto, Ont., June 1999.

**Keil, C.B.**, Marker, S., and Protopapas, E: A Comparison of Tracer Gas Analytical Techniques: Infrared Absorption and Gas Chromatography - Electron Capture Detection, paper 80, American Industrial Hygiene Conference and Exposition, Atlanta, GA, May 1998.

Niemiller, T.J and **Keil, C.B.**: Mixing Factor Variability Within a Room, paper 95, American Industrial Hygiene Conference and Exposition, Atlanta, GA, May 1998.

**Keil, C.B.**, A Tiered Approach to Deterministic Models for Indoor Air Exposures, presentation 1P11, 1998 Applied Workshop: Occupational and Environmental Exposure Assessment, Raleigh, NC, February 1998.

**Keil, C.B.**, Hazard Recognition for Sanitarians, Ohio Environmental Health Association Southwest District Conference, Piqua, OH, October 1997.

**Keil, C.B.**, Krupinski, D.R., and Chamachkine, M.: Eddy Diffusivity Measurements for Exposure Modeling, paper 182, American Industrial Hygiene Conference and Exposition, Dallas, TX, May 1997. **Best paper in session award.**

**Keil, C.B.**: Emission Factors for Toluene Parts Washing, paper 119, American Industrial Hygiene Conference and Exposition, Washington, D.C., May 1996.

**Keil, C.B.**, Scheff, P.A., and Wadden, R.A.: Receptor Model Evaluation of Fugitive Ink Emissions for a Heatset Offset Press, paper 95-WP139P.03, Annual Meeting of the Air and Waste Management Association, San Antonio, TX, June 1995.

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**Keil, C.B., Wadden, R.A., Franke, J.E., Scheff, P.A., and Conroy, L.M.:** Applications of Indoor Emission Factors for Worker Exposure Modeling, paper 91, American Industrial Hygiene Conference and Exposition, Kansas City, MO, May 1995.

**Keil, C.B., Franke, J.E., Wadden, R.A., Scheff, P.A., Conroy, L.M.:** d-Limonene Emission Factors from a Terpene Electronic Parts Degreaser, paper 258, American Industrial Hygiene Conference and Exposition, New Orleans, LA, May 1993.

**Keil, C.B., Scheff, P.A., Wadden, R.A.:** Preliminary Receptor Modeling Analysis of a Two-phase Data Set Collected in Chicago, paper 92-104.08, Annual Meeting of the Air and Waste Management Association, Kansas City, MO, June 1992.

**Keil, C.B., Wadden, R.A., Scheff, P.A., Conroy, L.M., Franke, J.E.:** Activity Related Chromium Emissions from an Automated Piston Plating Line, poster, Annual Meeting of the Air and Waste Management Association, Kansas City, MO, June 1992.

**Keil, C.B., Miller, A.K., Conroy, L.M., Hryhorczuk, D.:** A Pilot Study of the Health Effects of Elemental Boron in Production Workers, paper 249, American Industrial Hygiene Conference and Exposition, Boston, MA, June 1992.

Wadden, R.A., Scheff, P.A., Lin, J., **Keil, C.B.**, Graf-Teterycz, J., Kenski, D., Jeng, J.Y., Javor, M., Khalili, N., and Holsen, T.: Evaluation of Two-Phase Air Pollution Data for Receptor Modeling, paper no. 92-104.05, Annual Meeting of the Air and Waste Management Association, Kansas City, MO, 1992.

**Keil, C.B., Conroy, L.M., Prodans, R.S., Wadden, R.A., Scheff, P.A., Franke, J.E.:** A Comparison of Simultaneous Concentration Measurements using the Miran 1A General Purpose Analyzer, Charcoal Tubes, and Tedlar Bags with Subsequent Analysis using the Miran 1A, poster, American Industrial Hygiene Conference and Exposition, Salt Lake City, UT, May 1991.

Nelson, D, Scheff, P.A., and **Keil, C.B.:** Characterization of Volatile Organic Compounds Contained in Coke Plant Emissions, paper no. 91-79.6, Annual Meeting of the Air and Waste Management Association, Vancouver, BC, 1991.

Wadden, R.A., Scheff, P.A., Lin, J., Lee, H., **Keil, C.B.**, Graf-Teterycz, J., Keehan, K., Kenski, D., Milz, S., Holsen, T., and Khalili, N.: Two-Phase Receptor Modeling, paper no. 91-82.2, Annual Meeting of the Air and Waste Management Association, Vancouver, BC, 1991.

### **Environmental Health Education and Policy**

Yimer, S, and **Keil, C.B.:** Ethiopian Occupational Health and Safety Regulatory Environment. Paper 78, American Industrial Hygiene Conference and Exposition, Chicago, IL, May 2006.

Zoffel, J., Alt, A., Haney, J. and **Keil, C.B.:** Project EXCITE Odysseys: A Voyage Worth Taking. National Science Teachers Association National Convention, Anaheim, CA, April 2006.

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Zoffel, J., Ash, B., Haney, J. and **Keil**, C.B.: Project EXCITE: Targeting Environmental Health Science through Adventures in Problem-based Learning. Science Education Council of Ohio, Akron, OH, February 2006.

Haney, J., **Keil** C.B. and Zoffel, J.: Making The Case For The Integrated Curriculum Through The Lens Of Environmental Health Science. Hawaii International Conference on Education, Honolulu, HI, January 2006.

**Keil**, C.B. and Haney, J: Process Skills Improvements in Middle Grades Students Participating in Project EXCITE. Bowling Green State University Research Conference, Bowling Green, OH, November 2005.

Haney, J., George, J., Ryan, K., Zoffel, J, and **Keil** C.: Examining the Beliefs of Teachers Participating in Reform-Based professional Development About Implementing Problem Based Learning and Environmental Education in the Classroom: a Pilot Study. Hawaii International Conference on Education, Honolulu, HI, January 2005.

**Keil**, C.B., Haney, J, Lumpe, A. Boros A.: EXCITE-ing Successes Implementing a Problem Based Learning Model with Interdisciplinary Environmental Health Issues. American Public Health Association Conference, Washington, D.C., November 2004.

**Keil**, C.B., Haney, J, Bisesi, M. and Boros, A.: A Model For Communicating Environmental Health Issues to the General Public, presentation 184, American Industrial Hygiene Conference and Exposition, Atlanta, GA, May 2004.

Boros, A., Haney, J., **Keil**, C: Generating Student Excitement Through Environmental Health Science and Problem Based Learning. Environmental Educators Council of Ohio Annual Conference, Deer Creek State Park, OH, April 2004.

Haney, J. and **Keil**, C.: EXCITE Problem-based Learning Odysseys: Integrating Problem Solving, Environmental Health and Technology into the Middle Grades Curriculum. Proceedings, Hawaii International Conference on Education, Honolulu, Hawaii, 2004

Boros A., Haney J., **Keil**, C.: Project EXCITE – A Professional Development Model for Educators. Hawaii International Conference on Education, January 2004.

Haney, J., **Keil**, C., Boros, A.: EXCITE Problem Based Learning Odysseys – A Journey Worth Taking. Hawaii International Conference on Education, Honolulu, Hawaii, January 2004.

Haney J., **Keil**, C.: EXCITE Problem Based Learning Odysseys – Integrating Problem Solving, Environmental Health and Technology into Middle Grades Classrooms. Hawaii International Conference on Education, Honolulu, Hawaii, January 2004.

Boros, A., Haney, J., **Keil**, C: Introducing Environmental Health Science To The School Frontier. North American Association for Environmental Education Conference, Anchorage, Alaska October 2003.

Boros, A. , Haney, J., **Keil**, C: Effective Interdisciplinary Teaching Through Problem Based

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Learning. Ohio Middle School Association State Conference, Akron, OH April 2003

**Keil, C.B.**, Bisesi, M., Haney, J, and Boros, A.: Project EXCITE: Environmental Health Science Explorations through Cross Disciplinary and Investigative Team Experiences. American Industrial Hygiene Conference and Exposition, San Diego, CA, May 2002.

Boros A., Haney, J. and **Keil, C**: Targeting Environmental Health with EXCITE Problem Based Learning Odyssey. Environmental Educators Council of Ohio Annual Conference, April 2002.

Boros, A. , Haney, J., **Keil, C**: Generate Student Excitement With Problem Based Learning. Environmental Educators Council of Ohio Annual Conference, Toledo, OH, March 2003.

Boros, A. , Haney, J., **Keil, C**: Meeting The Standards With Problem Based Learning. Ohio Technology Education Association Spring Conference, Toledo, OH March 2003.

Boros A., Haney, J. and **Keil, C**: Uniting Technology with Problem Based Learning. School Net Technology Conference, Columbus, OH, February 2002.

Haney, J., **Keil C.**, and Shafer, M.: EXCITE Your Students Through Problem Based Learning, National Science Teachers Association Region Conference, Columbus, OH, November 2001.

Silverman, G., and **Keil, C.B.**: There's No Place Like Home: Maintaining a Quality Urban Environment. Midwest Environmental Education Conference, Madison, WI, 1997.

## **ENVIRONMENTAL REPORTS**

**Keil, C.B.**, Scheff, P.A.: Development of a Two-Phase Receptor Model From Municipal Waste Incineration. Final report, project no. OSWR-02-005, University of Illinois Center for Solid Waste Management and Research, Institute for Environmental Studies, August 1991.

Holsen, T.M., Scheff, P.A., Chaberski, C.M., Khalili, N.R., and **Keil, C.B.**: The Composition of Landfill Gas and It's Impact on Local Ambient Air Quality, Final report, project no. OSWR-02-006, University of Illinois Center for Solid Waste Management and Research, Institute for Environmental Studies, February 1991.

## **COURSES TAUGHT**

Bowling Green State University

- Environmental Health Science
- Global Commons
- Industrial Hygiene
- Industrial Hygiene Lab
- Air Quality Control
- Air Quality Lab
- Occupational Safety

Industrial Ventilation  
Environmental Assessment Methods I & II  
Environmental Toxicology  
Independent Studies in:  
    Environmental Gas Chromatography  
    Indoor Air Pollutant Transport  
    Noise Exposure Modeling  
    Environmental Epidemiology  
    Industrial Ventilation  
Comprehensive Environmental Health Practice  
Environmental Health Science for Middle Grades Teachers

Medical College of Ohio

Principles of Environmental Health  
Air Monitoring and Analytical Methods  
Management of Hazardous Materials  
Methods of Hazard Control  
Risk Assessment

Wheaton College

Environmental Science  
Environmental Chemistry

University of Illinois at Chicago

Industrial Hygiene Lab II

University of Veszprém

Mathematical Modeling Approaches to Environmental Assessment  
Indoor Environmental Quality

Workshops and Short Courses

Environmental Exposure Modeling, Jimma (Ethiopia) University, School of Environmental Health, Faculty of Public Health, March 2006.

Fundamentals of Occupational Hygiene, Addis Ababa (Ethiopia) University, Community Health Department, Faculty of Medicine, March 2005.

Principles of Air Quality Management, Ethiopian Environmental Protection Authority, January 2005.

Basic Occupational Exposure Assessment Strategies, Atlantic Provinces (Canada) Section of the American Industrial Hygiene Association, Fall Technical Workshop, 2003.

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Introduction to Mathematical Modeling of Exposure, International Occupational Health Association 5<sup>th</sup> International Scientific Conference, Bergen, Norway June 2002.

Statistics for Industrial Hygiene Exposure Assessments, Eli Lilly Co. November 2000.

Mathematical Modeling in a Comprehensive Exposure Assessment Strategy, Professional Conference of Industrial Hygiene, October, 2000.

An Introduction to Modeling Inhalation Exposures. Campus Safety, Health and Environmental Managers Association Annual Meeting, July 2000.

A Toolbox of Mathematical Models for Occupational Exposure Assessment - American Industrial Hygiene Conference and Exposition, 1996, 1997, 1998.

Assessing Occupational Exposure with Mathematical Models - University of California, Berkeley, Center for Occupational and Environmental Health, August 1997.

Certified Industrial Hygienist Examination Review Course, Great Lakes Center for Occupational Safety and Health, 1993, 1994.

Particulate Source Sampling - Air Pollution Training Institute, 1993.

Continuous Emissions Monitoring - Air Pollution Training Institute, 1993.

## PROFESSIONAL ACTIVITIES

Manuscript Peer Reviewer

*American Industrial Hygiene Association Journal*

*Applied Occupational and Environmental Health*

*Annals of Occupational Hygiene*

*Environment International*

*Food and Chemical Toxicology*

*Journal of Occupational and Environmental Hygiene*

Grant Reviewer

National Institute of Environmental Health Sciences, Core Center Grants

Center for Disease Control and Prevention / National Institute for Occupational Safety and Health, Educational Resource Centers

## Textbook Reviewer

A Strategy for Assessing and Managing Occupational Exposures 2<sup>nd</sup> edition, American Industrial Hygiene Association.

Environmental Science: A Global Concern, William C. Brown Publishers, Chapters: Environmental Health and Toxicology, Air Climate and Weather, and Air Pollution.

The Occupational Environment: its Evaluation and Control, American Industrial Hygiene Association, Chapter: Modeling Inhalation Exposure.

## Graduate Student Committees

Medical University (College) of Ohio, Department of Public Health, Masters Theses

Smigielski, Ken: Design and Setup of a System for Testing HEPA Filter Efficiency. 2006, Committee Member

Madhi Fahim: Advantages of Using the ANSI/ASHRAE 110-1995 Tracer Gas Test Method vs. the ANSI/AIHA Z9.5-1992 Face Velocity Test Method for the Chemical Laboratory Hood Certification. 2006, Committee Member

Susan Arnold: Applying and Evaluating the Two Zone Mathematical Exposure Model in a Paper Coating Operation. 2004, Thesis Advisor

Chad Positano: A Study of the Decreasing Emission Rates of Small Spills of Chlorinated Hydrocarbons. 2002, Thesis Advisor

Gary Lescallet: Developing a Pilot Test to Measure and Predict Interzonal Air Flow Rates with a Tracer Gas. 2002, Thesis Advisor

Mike: Kirchner: Capture Efficiency of Local Exhaust Ventilation on a Hexavalent Chrome Plating Tank, 2001. Research Director

Sharon Stetz: Capture Efficiency at a Drum Filling Operation. 2001, Research Director

Kelly Konecny: Formaldehyde Emission, Transport, and Concentrations in a Gross Anatomy Laboratory and Adjacent Environment. 1999, Co-research Director

Theodore Knutson: Determining Capture Efficiencies of Local Exhaust Ventilation Systems using a Tracer Gas Technique. 1997, Research Director

Owen Wagner: Effectiveness of Safety and Health Programs in Small, High-hazard Companies. 1997, Committee Member

Chris Brossia: Utilization of Safety and Health Consultative Services by Small Ohio Employers. 1996, Committee Member

University of Illinois at Chicago, School of Public Health, Environmental and Occupational Health Science Department, Doctoral Dissertation

Emmanuel Iyiegbuniwe: Site-Specific Emission Factors for Sixteen Degreasers. 1996, Committee Member

BGSU Graduate College Representative on Dissertation Committees

James Barney, Education Leadership, 2000

Jinyue Jiang, Photochemistry, 2002

Liu Liu, Photochemistry, 2006

Lorena Harris, Biology, current

Nicholas Zoffel, Communications Studies, current

#### Professional Committees

International Affairs Committee, American Industrial Hygiene Association, 2006

Exposure Assessment Strategies Committee, American Industrial Hygiene Association, 1994 - present.

Exposure Modeling Sub-Committee, Exposure Assessment Strategies Committee of the American Industrial Hygiene Association, 1994 - present. Chair 1995 - 1999.

Scholarship Committee, Northwest Ohio Section of the American Industrial Hygiene Association. 1995 - 1999. Chair 1995 - 1997

#### University Committees and Activities

Head Women's Track and Field Coach Search Committee, 2006

Standards Committee on the Scholarship of Engagement, 2005

Taskforce on the Scholarship of Engagement, 2004.

NCAA Self-Study Steering Committee, 2004 – 2006.

University Committee on Intercollegiate Athletics, 1997 – 2001, 2002 – 2005, 2007 - 2010. Chair 2004-2005.

Graduate College, Distinguished Dissertation Committee, 2002.

Faculty Senate Committee on the Success of Probationary Faculty, 2001 – 2002.

Graduate College, Charles E. Shanklin Graduate Student Paper Competition Judge, 2001.

College of Health and Human Services Promotion and Tenure Committee, 2000 –

2002, 2004 - present.

College of Health and Human Services Undergraduate Curriculum Committee, 2000 - 2003.

College of Health and Human Service, Technology Services Committee, 1999 – 2003.

Advisor, Environmental Health Student Organization, 1997 – 2000.

College of Health and Human Service, Dean's 5-year Review Committee, 1999.

College of Health and Human Services Academic Appeals Committee, 1997 – 1998.

University Taskforce on Teaching and Learning, 1997.

Faculty Search Committee, Public Health Administration position, 1996 – 1997.

Faculty Search Committee, Public Health Administration position, 1995 -1996.

University Ambassador Outstanding Senior Committee, 1995 – 1996.

Occupational Safety and Health Advisory Committee, chair, 1995 – 2000.

College of Health and Human Service Computer Committee, 1994 – 2000.