

Comprehensive Industrial Hygiene Review Course
March 2018 Instructor Biographies



Terrance G. Alexander, MS, CIH, PE, BCEE

Topic(s): IH Program Management

Terrance G. Alexander, MS, CIH, PE, BCEE is the retiring Executive Director of Occupational Safety & Environmental Health for the University of Michigan. He was responsible for health, safety and environmental issues facing both the academic and business operations of the University. He directed programs involving hazardous materials, environmental management, biological & laboratory safety, industrial hygiene, radiation safety, ergonomics, food service sanitation, fire safety, and sustainability. Mr. Alexander has over 40 years' experience in these programs, ranging from environmental consulting, to managing a site remediation program at a Department of Energy facility with over 350 historic waste sites. He began his career as an industrial hygienist and environmental engineer with the U.S. Air Force for nine years. He is a licensed professional engineer in Michigan and Illinois, a certified industrial hygienist, and a Board Certified Environmental Engineer with the American Academy of Environmental Engineers. He received his BS in civil engineering from South Dakota State University and MS in environmental science from the University of Idaho.



Stuart Batterman, PhD

Topic(s): Indoor Air Quality, Air Pollution

Stuart Batterman is Professor of Environmental Health Sciences in the School of Public Health at the University of Michigan, and Center Director of the University of Michigan Center for Occupational Health and Safety Engineering. He is also appointed as Professor of Civil and Environmental Engineering at UM, and as honorary Professor in the Department of Occupational and Environmental Health, Medical School, at the University of KwaZulu-Natal, Durban, South Africa. Dr. Batterman's teaching and research addresses a wide range of topics in environmental and occupational health, including measurement, modeling and health impact assessment of pollutants in indoor and ambient air, water, soil, and biological media. His main focus is on indoor and outdoor air pollution, including evaluation of pollutant sources, exposures, and health effects. His research is applied to contemporary problems, including environmental epidemiology, environmental and health impact assessment, policy analysis, environmental engineering, environmental justice, and life cycle analysis. He participates and has led a number of international projects, include training and research programs in the environmental sciences and engineering in Africa (especially Ghana and South Africa) and Europe (especially Portugal, Russia and Finland). He received his BS in environmental science from Rutgers University, and his Masters and PhD in Civil & Environmental Engineering from the Massachusetts Institute of Technology.



Anthony D. Burton, MD, MPH, FACOEM

Topic(s): Chemical Health Effects

Dr. Burton trained in occupational medicine at the University of Michigan and is board certified in that field. He is a Fellow of the American College of Occupational and Environmental Medicine. He practiced for years in an outpatient occupational medicine clinic setting and in hospital occupational health. Since November 2007, he has worked for General Motors as a plant medical director.

Dr. Burton has played a leadership role in the Michigan Occupational and Environmental Medicine Association and the American College of Occupational and Environmental Medicine. He is a lecturer at the University Of Michigan School Of Public Health.



Justin Colacino, PhD

Topic(s): Toxicology

Dr. Justin Colacino is an Assistant Professor of Environmental Health Sciences in the School of Public Health. His research focuses on understanding environmental and dietary factors in carcinogenesis and cancer prevention. Specifically, the goal of his research is to characterize the environmental susceptibility of normal human stem cell populations, elucidating the etiology of sporadic cancers. Of particular interest are understanding the changes that occur at the epigenetic and transcriptional level, changes which affect not only gene expression but also how progenitor cells differentiate and divide. His research group combines wet lab bench work and bioinformatic and statistical analysis of large scale genomic and epidemiologic data sets to translate findings from in vitro models to the population level. Dr. Colacino is an active member of the Society of Toxicology (SOT) and the American Association for Cancer Research (AACR) and serves on the Editorial Review Board of Environmental Epigenetics and the Editorial Board of Cancer Research.



Gregg Grubb, CIH

Topic(s): Ventilation I, II, III

Gregg Grubb is currently Vice President of Grubb Industrial Hygiene Services, LLC, and is a provider of industrial ventilation, combustible dust, confined space, and additional comprehensive industrial hygiene and safety consultative and educational services. He retired from the State of Michigan in 2017 where he worked since 1987 as an industrial hygienist for MIOSHA and the Michigan State Police.

Gregg is a Certified Industrial Hygienist and holds a B.S. in Chemical Engineering from Michigan State University. He currently serves as: Vice Chair of the American Conference of Governmental Industrial Hygienists' (ACGIH's) Industrial Ventilation Committee; Executive Director of the Michigan Industrial Ventilation Conference; co-instructor of the ACGIH Fundamentals of Industrial Hygiene & Practical Applications of Useful Equations courses; and instructor and planning committee member at the North Carolina Industrial Ventilation Conference. Gregg also serves as a lecturer for: the University of Michigan, Ann Arbor, where he has been contracted to teach EHS654, Control of Exposures to Airborne Contaminants, since 2014; and the University of North Carolina, Occupational Safety and Health Education and Research Center (UNC OSHERC) where he has taught Fundamentals of Industrial Hygiene since 2017.



Tim Kearney, CSP

Topic(s): Non-ionizing Radiation, PPE

Mr. Kearney has been a Certified Safety Professional since 1987 and is employed with 3M Personal Safety Division in Grand Rapids, Michigan. As a service provider, Tim has over thirty one years of experience assisting employers in the use and maintenance of sampling instruments, direct reading fixed & portable aerosol and gas monitors, respiratory protection, chemical protection equipment and fall protection systems. He has conducted numerous field inspections, on-site repairs and re-certifications for both public and private sector employers throughout the country. As a consultant, he has assisted industrial hygienists, safety engineers and EHS managers in the proper selection and evaluation of these devices. As a trainer, Tim has provided thousands of programs for clients in construction, municipal, mining, governmental, healthcare, automotive and various manufacturing environments. Training programs commonly have focused on Personal Protective Equipment and its Selection, Use, and Limitations; Confined Space Entry and Rescue; Use, Care and Maintenance of APR & SAR Respirators as well as Self-Contained

Breathing Apparatus; Hearing Conservation and Noise Measurement; and the Selection and Use of Air Sampling Equipment and Direct Reading Instrumentation have been presented to clients throughout the nation. Tim has an undergraduate degree in Occupational Safety & Health Technology from Ferris State University; a Masters of Business Administration from Central Michigan University and a graduate certificate in Hazardous Materials Management from Wayne State University. He is an active member of the AIHA and is currently a member of the Respiratory Protection Committee since 2007. He has served on both the MIHS and WMIHS Board of Directors and has three times been elected the president for his location section.



Bob Lieckfield, CIH

Topic(s): Analytical Methods

Mr. Robert Lieckfield, Jr., CIH, Vice President, Division Director, HSE Laboratory Services has more than 37 years of experience in HSE consulting and laboratory operations. His experience includes field sampling and laboratory analysis, as well as quality assurance systems. He has more than 10 years of experience in laboratory systems and quality control auditing for compliance to ISO 17025. Mr. Lieckfield is author of "Analytical Methods" and co-author of "Health and Safety Factors in Designing an Industrial Hygiene Laboratory," chapters in *Patty's Industrial Hygiene and Toxicology, Fifth Edition*. He has taught graduate-level courses in industrial hygiene sampling and analytical methods at Wayne State University. He has been an instructor at this comprehensive industrial hygiene review course for the past 28 years.



John Meeker, MS, ScD, CIH

Topic(s): Heat/Cold Stress, Epidemiology

Dr. John Meeker is a Professor of Environmental Health Sciences and Associate Dean for Research at the University of Michigan School of Public Health. He holds a B.S. in Industrial Technology from Iowa State University, as well as M.S. and Doctor of Science (Sc.D.) degrees in Environmental Science & Engineering and Exposure, Epidemiology & Risk, respectively, from Harvard University, where he also completed a postdoctoral fellowship in Environmental and Reproductive Epidemiology. He is a Certified Industrial Hygienist (CIH). Dr. Meeker's work is wide-ranging, and focuses on defining sources, magnitudes and consequences of human exposure to environmental and occupational contaminants, as well as identifying and evaluating strategies to control harmful exposures. Much of his current research involves human exposure science and reproductive and developmental epidemiology studies of known or suspected endocrine disrupting chemicals, such as phthalates, BPA, pesticides, flame retardants, and others. Dr. Meeker is principal investigator on numerous large-scale research studies, is Associate Editor of *Environmental Health Perspectives*, and has served on numerous peer-review and advisory panels for EPA, NIH, and others in recent years.



Joe Miklos, PhD

Topic(s): Ionizing Radiation

Joseph A. Miklos, Ph.D. is currently employed by the University of Michigan (UM), Occupational Safety and Environmental Health (OSEH), Radiation Safety Service (RSS). He received his bachelor ('75), masters ('80), and doctoral ('02) degrees from UM. He has been an employee of UM since 1980 when he joined the research faculty at the School of Public Health. He has been with OSEH/RSS since 1998. At OSEH/RSS Joe assists the Radiation Safety Officer (RSO) with Radiological Concerns as needed, assists the RSO with Nuclear Regulatory Commission (NRC) license implementation, supervises the activities of the Health Physics Technicians, conducts Health Physics Technician training sessions, participates in regulatory inspections from the NRC and Michigan Department of Licensing and Regulatory Affairs, conducts Radiation Safety Training for users of radioactive materials and Xrays, reviews applications for new Authorized Users of radioactive

material, reviews and processes amendments and renewal applications of Authorized Users, responds to radiological spills and emergencies, assisted in health physics needs for the Ford Nuclear Reactor Decommissioning Project, conducts and maintains the radon monitoring capability of the University, and maintains the H-3 Exit sign inventory. He also has Adjunct Lecturer appointments in the UM School of Public Health (Environmental Health Sciences) and in the UM College of Engineering (Nuclear Engineering and Radiological Sciences) where he teaches classes in radiological health.



Rick Neitzel, PhD, CIH, FAIHA

Topic(s): Noise Effects, Measurement and Control

Dr. Rick Neitzel is an Associate Professor and Associate Chair of the Department of Environmental Health Sciences. He is the exposure scientist whose research focuses on the characterization of exposures to noise, heavy metals and other ototoxins, psychosocial stressors, and injury risk factors, as well as a range of adverse health effects associated with these exposures. His work, and the work of his team in the UM Exposure Research lab, takes place in occupational and community settings both domestically and abroad. He is particularly interested in incorporating new methodologies and exposure sensing technologies into research, and also has a strong interest in translating his research findings into occupational and public health practice. He has created a job exposure matrix for occupational noise exposures in the US and Canada, available at <http://noisejem.sph.umich.edu/>. He is Vice Chair of the American Conference of Governmental Industrial Hygienists Threshold Limit Values-Physical Agents Committee. He has been a Certified Industrial Hygienist since 2003.



Cindy Ostrowski, CIH

Topic(s): BioHazards

Cindy Ostrowski is a Certified Industrial Hygienist (CIH), who established her own consulting firm, CAO Consulting, LLC after leaving a regional insurance company. She has over twenty years' experience in the field of industrial hygiene. Prior to her career as an industrial hygienist, she was a microbiologist in a clinical laboratory. She holds a Masters of Science degree in occupational and environmental health from Wayne State University. She returned to her alma mater as an assistant professor to teach courses for the graduate OEHS program. During her tenure at Wayne State University, she developed and taught a course dedicated to OEHS for the healthcare industry. Cindy is an adjunct professor at the University of Michigan teaching Occupational Safety for Occupational Medicine Nurses for Masters of Science in Nursing students. She is the current President-Elect (2017-2018) and has served as the Vice President (2016-2017), Treasurer (2013-2016), Secretary (2008-2011) and a Board of Directors member (2004-2007) for the American Industrial Hygiene Association (AIHA). She is the current chair for the Industrial Hygiene Division, a board member and member of the scholarship committee for the Michigan Safety Conference.



Stephanie Saylor, MS, CIH

Topic(s): CIH Exam Tips, Ethical Aspects of IH Practice

Stephanie Saylor is a Research Area Specialist Senior at the University of Michigan School of Public Health in the Department of Environmental Health Sciences. She is a CAOHC-certified Occupational Hearing Conservationist, Certified Industrial Hygienist, and has a Master of Science degree in Industrial Hygiene from the University of Michigan. While her work with Dr. Rick Neitzel primarily focuses on noise and hearing loss, she is also involved in global industrial hygiene research and outreach that aims to identify and address health and safety issues among underserved workers. Along with her research, she also serves as an Environmental Health Officer (Lieutenant Junior Grade) with the US Navy Reserve.



Bert Schiller, CIH, ROH

Topic(s): Work Processes

Bert Schiller, CIH, has over 35 years of experience. He started his career with Michigan OSHA, worked in the insurance industry for a dozen years, and has been an independent consultant for over 20 years. He is currently an instructor at both Madonna University and the University of Michigan.



Sheryl S. Ulin, Ph.D., CPE

Topic(s): Ergonomics

Sheryl received a B.S. in Mathematics and Psychology from the University of Michigan in 1985, a M.S. in Industrial and Operations Engineering from Michigan two years later, and a Ph.D. in Industrial and Operations Engineering from Michigan in 1991. In addition, she is a Certified Professional Ergonomist (CPE). Dr. Ulin is a scientist whose research focuses on occupational ergonomics. In addition, she is the Director of Continuing Education. Current and previous projects include providing ergonomic technical assistance and training to small and medium sized companies in the State of Michigan, investigating the relationship between strength and rung size used in playsets by children, comparing various patient transfer techniques, evaluating current and alternate tools/methods for tub and shower cleaning, defining the dose / response relationship between repetition and the incidence of upper extremity musculoskeletal disorders, and tracking the progress of newly formed ergonomics committees. Her involvement in these research projects has led to numerous publications and conference proceedings. She has also provided ergonomics consulting services to many companies across a wide variety of industries. Previously, she served as co-chair of the Ergonomics Standard Advisory Committee for the State of Michigan.



Edward T. Zellers, PhD

Topic(s): Air Sampling Issues, Methods, Instruments and Sampling Statistics, Problem Solving Session I

Professor Zellers' research and teaching programs are concerned with various aspects of characterizing and controlling human exposures to toxic chemicals, including sampling and analytical methods and instrumentation, assessment strategies, and protective equipment. His primary research interests are in the development of microfabricated sensor arrays and integrated microanalytical systems for the direct determination of organic compounds in air and biological media and for characterizing the interfacial interactions of such compounds with various media. Among the applications being pursued for these new chemical sensing technologies are miniaturized, wireless instrumentation for indoor-air quality assessments, personal exposure monitoring, breath analysis, ambient air pollution mapping, and in-situ assessments of the barrier effectiveness of polymeric chemical protective clothing.

Prof. Zellers maintains an active interdisciplinary research group that involves collaborations among students, faculty, and research scientists from several UM departments, national laboratories, and small R&D firms. He teaches lecture and laboratory courses on chemical hazard evaluation, exposure assessment, and chemical microsensors and microsystems. As director of the Occupational Health Program, Dr. Zellers administers the industrial hygiene component of the NIOSH funded Education and Research Center Training Grant. He is a member of the faculty in the Department of Chemistry and also serves as a Group Leader in the NSF-funded Engineering Research Center for Wireless Integrated MicroSystems (WIMS) headquartered in the Department of Electrical Engineering and Computer Science.