

Georgia Local Section American Industrial Hygiene Association (AIHA)

Winter 2 Day Professional Development Course (PDC) Meeting 2014

DATE: January 15- 16, 2014 (Wednesday & Thursday)

TIME: 8:00 am – 4:00 pm (*on both days*)

LOCATION: Georgia Power Headquarters
241 Ralph McGill Blvd., Atlanta, GA 30308

COST:

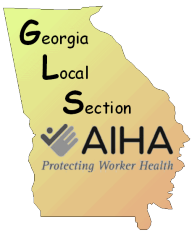
Registration Categories	One day of the PDC	Two days of PDC
GLS Members	\$125	\$210
Non-members	\$150	\$275
Board Members	\$75	\$150
GLS Student Members	\$20	\$40

CM POINTS: Eligible for up to **6 hours** of technical contact time for IH per day
(Equivalent to 1.0 CM IH under old system)

Online registrations are now open through January 13, 2014. After that date you must register onsite at the meeting for an additional \$5.00.

To register visit the Georgia Local Section website at www.georgiaaiha.org/ and click on Events

Agenda Day-1 of Winter PDC		
<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
7:30 - 8:00	Registration	
8:00 - 8:10	Welcome Message and Safety Briefing	John Moore GLS AIHA, President
8:10 - 10:00	Exposure Judgment: Improving Inhalation, Dermal & Noise Assessments	Susan Arnold, Principal, EH&S, LLC Dr. Gurumurthy Ramachandran, Professor, the Univ. of Minnesota
10:00 -10:15	Break	
10:15 - 11:30	Exposure Judgment: Improving Inhalation, Dermal & Noise Assessments	Susan Arnold and Dr. Gurumurthy Ramachandran
11:30 - 12:15	Lunch (Provided)	
12:15 - 2:30	Exposure Judgment: Improving Inhalation, Dermal & Noise Assessments	Susan Arnold and Dr. Gurumurthy Ramachandran
2:30 - 2:45	Break	
2:45 - 3:45	Exposure Judgment: Improving Inhalation, Dermal & Noise Assessments	Susan Arnold and Dr. Gurumurthy Ramachandran
3:45 - 4:00	Closing remarks and adjourn	John Moore, GLS AIHA, President

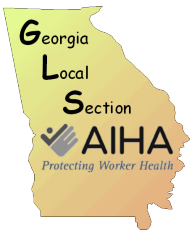


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Agenda Day-2 of Winter PDC		
<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
7:30 - 8:00	Registration	
8:00 - 8:10	Welcome Message and Safety Briefing	John Moore GLS AIHA, President
8:10 - 10:00	Innovative Ergonomic Case Studies and Solutions for the Health and Safety Professional	Korrie J Mapp, Co-founder, Organic Ergonomics
10:00 - 10:15	Break	
10:15 - 11:30	Innovative Ergonomic Case Studies and Solutions for the H&S Professional	Korrie J Mapp, Co-founder, Organic Ergonomics
11:30 - 12:15	Lunch (Provided)	
12:15 - 2:30	Process Safety Management at Generation Plants	Kate Nichols, IH Manager of GPC and John Harrison, Safety and Health Consultant of GPC
2:30 - 2:45	Break	
2:45 - 3:45	Process Safety Management at Generation Plants	Kate Nichols, and John Harrison
3:45 - 4:00	Closing remarks and adjourn	John Moore, GLS AIHA, President

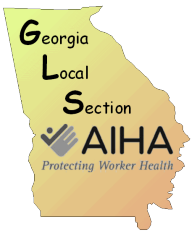
**For further information about the meeting, please contact
John Moore (jrmoore@southernco.com) or Della Ridley (della.ridley@att.net)**

HOTEL: For hotel accommodations at the Hyatt Regency, Atlanta, you may contact **SCOTT Travel at (888) 762-6885**. Tell them you are attending the Georgia Local Section AIHA meeting to receive the discounted rate of \$138.



Georgia Local Section American Industrial Hygiene Association (AIHA)

Directions	
Driving North on I-75/85 into Atlanta	Driving South on I-75/85 into Atlanta
Take I-75/85 North into the city	Take I-75/85 South into the city
Take exit 249B for Pine St toward Peachtree St/Civic Center	Take exit 249A for Courtland St toward Georgia State University
Merge onto Pine St NE	Merge onto Courtland St NE
Turn right onto Peachtree St NE	Turn left onto John Portman Blvd
Turn right onto Ralph McGill Blvd NE GA Power will be on the right (choice of 2 entrances)	Take the 1st left onto Piedmont Ave NE
	Turn right onto Ralph McGill Blvd NE GA Power will be on the right (choice of 2 entrances)
<p>The Georgia Power Headquarter at 241 Ralph McGill Blvd., Atlanta, Georgia 30308</p> <p>Once you have pulled into the drive at 241 Ralph McGill Blvd NE; proceed to the left into visitor parking. Parking is free for the event. Please use the main building entrance and check-in at the desk. The Banquet Room is located on first floor next to the Cafeteria and signs will be located to further direct you to the classroom. The monthly ASSE meetings are held in this location. (You are required to show identification at the front desk in order to receive a badge for access to the conference center)</p>	



Georgia Local Section American Industrial Hygiene Association (AIHA)

Exposure Judgment: Improving Inhalation, Dermal & Noise Assessments

Workshop Description

Industrial hygienists (IHs) need strategies and tools to make effective and efficient decisions in rapidly evolving domestic and international environments. New international regulations such as REACH, CEPA and the proposed overhaul of the Toxic Substances Control Act (TSCA) in the US are impacting large and small businesses alike. Consequent pressure from stakeholders has motivated many IHs and their organizations to identify more efficient, comprehensive methods for assessing and managing exposure risk.

AIHA's exposure risk assessment and management strategy provides a solid foundation for gauging occupational and environmental exposure risks. By developing and integrating new qualitative tools such as environmental determinant heuristics, exposure models, and dermal qualitative and noise exposure assessment frameworks, with existing tools using a Bayesian data analysis, the strategy empowers IHs to make more accurate, efficient exposure risk judgments.

During this one day PDC, participants will learn how to apply these user-friendly tools through a series of interactive sessions. Utilizing combinations of basic characterization information, determinants of exposure, and sampling data for inhalation, participants will learn how to make more accurate qualitative and quantitative exposure risk judgments, and how to apply these new skills and tools within their organization. The capstone of the PDC will be a facilitated discussion reviewing the results and lessons of each session, providing direct feedback to each participant.

Prerequisites:

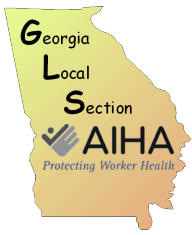
- All participants MUST bring a computer with Microsoft Excel (macro-enabled 2003 or newer) installed.
- No previous training is required.

Learning Outcomes - Upon completion, the participant will be able to:

- Identify common exposure judgment errors made with inhalation, dermal and noise exposure risk assessments
- Integrate methods to effectively address and correct common judgment errors
- Utilize new and existing exposure assessment tools and strategies to make more effective and efficient risk management decisions
- Implement modeling tools, (such as IHMOD), and the Qualitative Checklist tool and other tools to guide qualitative exposure judgments

Value-Added

- Participants will take home several user-friendly exposure assessment tools
- Participants will receive feedback on judgments to calibrate their professional judgment
- Audience response systems will be used to strengthen group and individual learning



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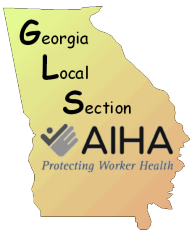
Instructional Methods

Participants will participate in a series of workshops combining training, (including short lectures and demonstrations) with hands-on exercises in which the participants will apply the newly acquired knowledge to render exposure judgments about real-life exposure scenarios using the tool on which they were just trained.

Speakers

Susan Arnold is Principal at EH&S, LLC, a consulting firm dedicated to developing and applying leading practices in exposure and risk assessment. Susan has been an active member for 16+ years and is a past chair of AIHA's Exposure Assessment Strategies Committee (2008) and Modeling Subcommittee (1999 - 2003). She contributed to several chapters in the committee publication, "Mathematical Models for Estimating Occupational Exposure to Chemicals, 2nd Edition" and has authored numerous articles, presentations and posters on modeling, exposure risk assessment and Bayesian analysis. Susan holds a Bachelor's Degree in Toxicology from the University of Guelph, a Master of Science in Occupational Hygiene (MSOH) from the University of Ohio at Toledo and is currently pursuing a PhD in the Division of Environmental Health Sciences, School of Public Health at UMN. Her interests include occupational and non-occupational human health exposure and risk assessment, developing, evaluating and applying exposure models, and using novel Bayesian statistical methods incorporating model outputs to develop accurate qualitative (Bayesian prior) exposure judgments.

Dr. Gurumurthy Ramachandran is a Professor in the Division of Environmental Health Sciences in the School of Public Health at the University of Minnesota, Minneapolis. Since 1994, he has conducted research in various areas relating to human exposure assessment in occupational and non-occupational settings. His research has included the development of robust occupational exposure assessment strategies for a variety of airborne contaminants, and has written more than 100 scientific papers, reports, and articles in this area. His interests also include the use of novel Bayesian statistical methods that synthesize exposure models, monitoring data, and probabilistic expert judgment, occupational hygiene decision-making, and developing mathematical methods for exposure modeling and analyzing occupational measurements. He has also been leading efforts to develop exposure assessment methods for nanoparticles and the use of expert judgment in risk assessment for nanomaterials, and nanotechnology policy in the areas of occupational health and nanomedicine. He has served as a member of the Board of Scientific Counselors to the National Institute of Occupational Safety and Health (NIOSH) and advisory committees for the National Academy of Sciences (NAS) and the US Environmental Protection Agency (USEPA), and is also serving on the editorial boards of the Journal of Occupational and Environmental Hygiene. He has a Bachelor's degree in Electrical Engineering from the Indian Institute of Technology, Bombay, a Master's degree in Environmental Engineering, and a Ph. D. in Environmental Sciences and Engineering from the University of North Carolina.



Georgia Local Section American Industrial Hygiene Association (AIHA)

Innovative Ergonomic Case Studies and Solutions for the Health and Safety Professional

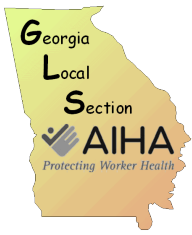
Workshop Description

Increasingly, Industrial Hygienists (IHs) and Safety Professionals are called upon to perform Ergonomic evaluations and to conduct Ergonomics training courses. Additionally, they are tasked with developing and maintaining effective and efficient Ergonomics Programs in a climate of fluctuating corporate budgets. As a result, it is important that Industrial Hygienists and Safety Professionals continue to complement their service offerings with enhanced Ergonomic program development and course training techniques.

During this 4-hour PDC, participants will explore case studies where they will (1) develop cost-effective Ergonomic training strategies and (2) discuss solutions for an Ergonomic hazard. In addition to being immersed in the current state of Ergonomics and its rapid evolution, participants can anticipate learning methods of effective Ergonomics training.

Speaker

Korrie Mapp is a Certified Professional Ergonomist (CPE) with more than 13 years of experience applying Ergonomics and Human Factors in a variety of industries. Mr. Mapp has managed Ergonomics Programs at North American automobile manufacturing facilities. Additionally he has served as a Subject Matter Expert (SME) for both the United States Postal Service and the Federal Aviation Administration. Korrie holds a Bachelor's Degree in Industrial Hygiene and Occupational Safety from Saint Augustine's College, a Master's Degree in Health Evaluation Sciences from the University of Virginia and a Master's Degree in Environmental Science and Engineering from Harvard University. His current interests include the design and application of human computer interfaces supporting aviation and a holistic approach to the design, implementation and sustainability of Ergonomic Solutions.



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Process Safety Management at Generating Plants

Workshop Description

Process Safety Management is something that every EHS professional should have some knowledge of. This presentation will break down some of the most complex sections of this Occupational Safety and Health Administration (OSHA) standard into layman's terminology and give a PSM expert some more information to add to their resource. Southern Company Generation facilities that have highly hazardous chemicals on site in amounts greater than the established threshold quantity (TQ) must comply with the requirements of the PSM regulations. This program provides the requirements for the development of procedures, documents, and information necessary to comply with the requirements of OSHA, 29 CFR 1910.119, and Process Safety Management of Highly Hazardous Chemicals. Kate and John will go over detailed procedures pertaining the PSM program at Southern Company that has worked to keep PSM compliance at power plants.

Speakers

Kathryn (Kate) Nichols has worked with the Corporate Safety and Health Department since joining Georgia Power Company in June of 2008. As the Industrial Hygiene Manager, she has responsibility for Industrial Hygiene and the GPC and SCS Corporate Safety and Health groups. Before joining Georgia Power, Kate was the Regional Safety Manager for the for Pilgrim's Pride, Inc. Responsibilities included managing Corporate HSE programs to include regulatory compliance, accident prevention, and risk management programs for the supply and fresh food service divisions in Georgia and Alabama. She also provided technical direction and leadership to site safety and health staff in developing and implementing these locations. She has more than ten years of experience as a Safety and Environmental Manager in the food manufacturing industry. Kate was also a Senior Industrial Hygienist with office management responsibilities at an Atlanta civil and environmental engineering firm. Kate managed environmental remediation and exposure assessment projects for a range of clients. She received her Bachelor of Science in Environmental Health from the University of Georgia in 1997. Kate has earned the qualification of Certified Industrial Hygienist (CIH) as awarded by the American Board of Industrial Hygiene.

John Harrison is a Safety and Health Consultant with Georgia Power's Safety and Health Department. He has over 25 years of experience in Industrial Hygiene, Environmental, and Safety practices. He is a Certified Industrial Hygienist, and Certified Safety Professional. He has a Bachelor's of Science degree in Civil Engineering. He is the SME for several safety and health programs within Georgia Power's Generation organization. He is regarded as an expert on Process Safety Management within Southern Company as he routinely conducts PSM audits and revalidations across Southern Company.