



HUMAN FACTORS *and* ERGONOMICS SOCIETY

P.O. Box 1369, Santa Monica, CA 90406-1369
tel: (310) 394-1811 • fax: (310) 394-2410 • email: info@hfes.org

Newsletter of the Tri-State Chapter of the Human Factors & Ergonomics Society

Volume 1 Issue 1

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Quick Contact Information:

RSVP's for Meetings: to Leslie MacDonald: 513-841-4529
or lmacdonald@cdc.gov

Mail-In Dues Payments: to Ken Crombie at NIOSH, 4676
Columbia Parkway, MS R16, Cincinnati, OH 45226-1998.

Newsletter Submissions: to Bob Roth: 513-354-8810 or
broth@fisherdesign.com

Welcome to the Chapter Newsletter! Bob Roth – Newsletter Editor

We're starting up this chapter newsletter so members have a quick reference for information on local and national meetings, chapter business, local members, and whatever else someone may think of. Please feel free to e-mail me announcements, items of interest to local members, and suggestions for future topics.

Important Upcoming Dates:

Thurs. Oct. 7th	Noon	RSVP for October 12th Chapter Meeting
Tues. Oct. 12 th	5:30pm	Chapter Board Meeting
Tues. Oct. 12 th	6:00pm	Chapter Meeting & Presentation by Dr. Joel Warm at Quality Hotel, Norwood (see page 3 for more details)
Tues. Nov. 10 th	Noon	Lunch Meeting & Tour at Jim Beam Distillery, Carthage

Tentative 2005 Winter & Spring Events:

February	Student Poster Event / Competition
Date TBD	Possible Joint Meeting with the Dayton Chapter
Date TBD	Possible ½ Day HF&E symposium featuring posters and presentations from students and professionals
Date TBD	Possible meeting at the Historic Ford Factory / Product Design Ergo Presentation

Note: Members are encouraged to contact **Kermit Davis** with any suggestions they have for speakers and facility or lab tours. We still have room in the 2004-2005 schedule for one or more additional interesting speaker topics or facility tours.

Important Note about Nov. 10th Meeting!

The lunch & tour at the Jim Beam Distillery should be interesting but there is a limit of only 16 participants at this time. If you plan on attending, please RSVP as soon as possible to Leslie MacDonald at lmacdonald@cdc.gov

Meet the Board!

The Tri-State chapter elects a new board each spring and they've been meeting over the summer to plan this year's events. Here they are:

President: David Munson (dmunson@stelizabeth.com). This is Dave's second stint as chapter President; he also held this post in 1994-1995. Dave is an Ergonomist at the St. Elizabeth Medical center, where he works on prevention programs for local business clients of the Medical Center. Prior to his 4 years in this capacity, he performed similar work for Anthem relating to reducing workplace injuries and workers compensation claims. Dave is a Certified Ergonomic Associate (CEA 1999), has completed various UC Ergonomics and Safety courses, and has a BS from Xavier (1991).

President-Elect: Kermit Davis (kermit.davis@uc.edu) is an assistant professor in the Department of Environmental Health at the University of Cincinnati. Dr. Davis was trained in Industrial Engineering with specialization in occupational ergonomics and low back biomechanics. His work concentrates on the interactive effect of multiple exposures, particularly physical and psychosocial stressors. He has conducted numerous laboratory studies that evaluated ergonomic controls and risk factors in a wide variety of manual material handling environments. He is currently working on the evaluation of the complex relationship between physical stressors and mental workload demands. Dr. Davis directs the Low Back Biomechanics and Workplace Stress Laboratory. He served as treasurer for the local chapter of HFES in 2003.



Treasurer: Kenneth Crombie, MS, CIH, CSP, CPE: Ken (kcrombie@cdc.gov) holds a Master of Science degree with majors in Occupational Ergonomics and Industrial Hygiene from the University of Massachusetts - Lowell, and a BA degree in Psychology from The Citadel. He has worked in a variety of roles as an occupational safety and health practitioner since 1987. He assumed his present position as an Ergonomist at the National Institute for Occupational Safety and Health (NIOSH) in May 2001 in support of a major research program on musculoskeletal disorders.

Ken has applied a broad range of exposure assessment methods, developed hazard abatement plans, and provided training and health and safety committee development. He is certified by the Board of Certified Safety Professionals, the Board of Certification in Professional Ergonomics, and the American Board of Industrial Hygiene. He is currently a candidate for a Doctor of Science degree in Industrial Hygiene from the University of Massachusetts - Lowell. Ken is fairly new to HFES, but was a long time member of ASSE and AIHA. He would like to apply his experience to making the Tri-State Chapter of HFES a dynamic, exciting forum for sharing and professional growth.

Secretary : Leslie MacDonald, Sc.D. (lmacdonald@cdc.gov) is a Lieutenant Commander in the U.S. Public Health Service who has worked as a Research Ergonomist at the National Institute for Occupational Safety and Health for more than 10 years. Her professional interests include occupational health research focused on 1) investigations of exposure to physical and psychosocial job stressors; 2) epidemiologic investigations to evaluate the effects of physical and psychosocial job stressors on adverse health outcomes, 3) methodological development for the objective evaluation of organization-level variables; 4) examination of current practices addressing chronic outcomes such as arthritis, cardiovascular disease, and mental health.

Leslie has been a long-time member of the national Human Factors and Ergonomics Society and has been active in the Tri-State Chapter in the past, serving as Treasurer for 5 years. Leslie's vision for the Chapter is to have a dynamic program of activities that provide opportunities for professional exchange and professional development among our diverse membership of students, faculty, practitioners and researchers.



UC Student Rep: Susan Kotowski: (kotowsse@email.uc.edu) Susan is a second year PhD student at the University of Cincinnati in Occupational Safety and Ergonomics. She is also a research assistant in the Low Back Biomechanics and Workplace Stress Lab directed by Dr. Davis. She received her Masters degree from UC in Industrial Engineering with an ergonomics concentration and a bachelor's degree in engineering from the University of Dayton.



Miami Student Rep - Adam Richardson: (richara4@muohio.edu) Adam is currently in his 4th year of a Ph.D. program at Miami University in cognitive psychology with an emphasis on human factors. His research deals with spatial cognition and spatial perception in virtual environments. His interests also include user centered design and usability, and for the past three years he has interned with Lexmark International Inc., as part of their usability engineering team.

Newsletter Editor - Bob Roth: (broth@fisherdesign.com) Bob is an industrial designer currently working for Fisher Design, a multi-disciplinary design consultancy. At Fisher, he is responsible for ergonomic and human factors assessment of various consumer and medical products being designed, as well as contributing to a variety of product designs efforts.

Bob has a Master's degree's in Design from the University of Cincinnati - School of Design, with concentrations in industrial design, ergonomics, and human factors. His Master's thesis centered on the study of stability, falling, and the biomechanics of rising from chairs, and the design of an assistive device to aid in rising for elderly and impaired persons.

Prior to entering the Industrial design field, he received a Bachelor's of Science in Aero & Astro-Space Engineering from Purdue University, and worked for GE Aircraft Engines for 21 years designing various commercial and military jet engine components.



Past President - Jay Smart: (smartlj@muohio.edu) Everyone who serves as President is guaranteed three board positions: President-Elect, President, and Past-President. This Jay's final year of the three year cycle.

Membership Notice:

Annual local chapter dues are \$20 (\$10 for students) and are due on or at the October 12th meeting. You can pay by cash or check (payable to HFES Tri-State Chapter) at the meeting, or you can mail your check to Treasurer Ken Crombie at the address noted above. Please take a minute to fill out the membership form on the next page.



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Tri-State Chapter Membership Form

Please complete this form so we can update our Chapter Membership Directory.

Name:	
Mailing Address:	
E-mail:	
Daytime Phone:	
Affiliation:	
Primary areas of professional interest:	
Ideas / suggestions for future meetings:	
Dues:	Members \$20.00; Student Members \$10.00.
	(Make checks payable to the <i>HFES Tri-State Chapter</i>)
Please bring the completed form and dues to the October 12 th meeting or send to:	Ken Crombie CDC/NIOSH 4676 Columbia Parkway, MS R-16 Cincinnati, OH 45226-1998

Thanks!



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TriState Chapter Meeting

Tuesday, October 12, 2004

Quality Hotel & Suites Cincinnati
4747 Montgomery Road
513-351-6000
Montgomery Room

6:00 PM – Arrival / Social
6:30 PM – 7:30 PM Dinner
7:30 PM – 8:30 PM Speaker

Dinner choices: Sirloin of Beef or Chicken Breast Stuffed with Spinach, Mushrooms and Cheese, or Vegetable Lasagna

RSVP to Leslie MacDonald, via phone or email **by noon on Thursday October 7th** with choice of meal 513-841-4529 or lmacdonald@cdc.gov.
When you RSVP, please indicate if you are a full-time student.

\$22 Member / \$27 Non-Member (\$10 Student Discount). The price includes a garden salad, vegetable, roll/butter, coffee or tea, and a dessert, as well as tax and gratuity.
Please make checks payable to HFES Tri-State Chapter at the door

(membership forms will be available for non-members)

“CEREBRAL HEMODYNAMICS AND VIGILANCE PERFORMANCE”

Dr. Joel Warm

Professor

Psychology Department

University of Cincinnati, Cincinnati, Ohio

Brief Description: Dr. Warm's talk will provide exciting details of his latest research into vigilance tasks—sustained attention and their impact on the cognitive processing within the brain. Common vigilance tasks are found in the airport security and air traffic control. Dr. Warm has now utilized transcranial Doppler ultrasound to measure the blood flow to the middle cerebral arteries as an objective measurement of the mental demands during these types of vigilance tasks. He will be presenting some of the recent studies using these techniques.