The HFES Potomac Chapter invites Society members and guests to attend the HFES 46th Annual Meeting at the Baltimore Marriott Waterfront Hotel, located on the beautiful Baltimore Inner Harbor, from September 30 to October 4. Host Committee and chapter members, along with the Technical Group program chairs and HFES staff, have worked together to make the meeting a rewarding experience.

The theme of the meeting, “Bridging Fundamentals and New Opportunities,” underscores a major focus of our profession on improving work design and transferring the fruits of our work to real-world applications. The theme also highlights the broad scientific, practical, and commercial scope of HF/E.

The Potomac Chapter has established a section on its Web site (users.erols.com/hfespoc) as a “one-stop shopping” source about the meeting and local area. Additionally, the main site for the meeting can be viewed at http://hfes.org.

Technical Tours

We have arranged an outstanding set of technical tours that will offer attendees the opportunity to learn more about how HF/E is applied in different government, commercial, and academic sectors in the greater Baltimore area. The tours, which are described in more detail in the Registration Packet, include Army Research Lab Human Research and Engineering Directorate, Aberdeen Proving Ground; Army Research Lab Zahl Research Center, Electronics and Sensors Lab; GM Truck Group Assembly Plant; National Federation for the Blind Technology Lab; Consumer Product Safety Commission National Testing Lab; University of Maryland at College Park Human Performance Lab and Human-Computer Interaction Lab; University of Maryland at Baltimore Emergency Medical Systems Syscom Center and Shocktrauma Center; National Cancer Institute Communication Technologies Research Center; and University of Maryland Baltimore County Interactive Systems Research Center.

Social Events

The Monday night opening reception will be a Maryland seafood feast, and on Wednesday evening, an event will be held in the National Aquarium, a short walk from the Marriott. Two premeeting general-interest tours will be offered: Washington, D.C., monuments, museums, and the Mall and Annapolis, Maryland, including the US Naval Academy. A narrated shuttle bus tour and harbor cruises are also available.

Baltimore-Area Offerings

October is a great time of year to visit the Baltimore area, with warm, sunny days and cool evenings. Typical daytime temperatures are in the mid-70s, and evening temperatures can drop into the 40s.

Baltimore has many historic neighborhoods to visit, with Little Italy, Fells Point, Mt. Vernon, Canton, Federal Hill, and Fort McHenry, of “Star-Spangled Banner” fame, all easily accessible from our headquarters hotel. Several dining and entertainment venues are nearby, including Hard Rock Café, ESPN Zone, the Baltimore National Aquarium, Maryland Science Center and IMAX theater, Maritime Museum, Maryland Visual Arts Center, and HarborPlace. The Baltimore Zoo, the B & O Railroad Museum, (voted best children’s zoo) and Port Discovery (an interactive children’s museum) are popular with children of all ages.

During September 27 through 29, the Baltimore Orioles end their season with a three-game series with the New York Yankees in Camden Yards Park (888/848-BIRD for tickets). On September 30, the Baltimore Ravens battle the Denver Broncos in Ravens Stadium (410/261-RAVE for tickets). The Historic Fells Point Family Fun Festival runs from October 4 to 6 following the annual meeting.

Baltimore and Maryland Tourism Information

Additional information about Baltimore and Maryland tourism may be obtained from the Baltimore Area Convention and Visitors Association (800/343-3468; www.baltoncvstr.com) and the State of Maryland Office of Tourism (800/543-1036; www.mdisfun.org).
Baltimore Logistics

By Steve Marlin, Meeting Planner

Baltimore is an exciting city with charming neighborhoods, ethnic and cultural diversity, Chesapeake Bay cuisine, and a wealth of history. Baltimore’s perfect blend of the old and new makes the city’s urban renewal an American success story. There are numerous restaurants, boutiques, and sightseeing venues in and around the Inner Harbor, where the 46th Annual Meeting will be headquartered.

Accommodations

The Baltimore Marriott Waterfront Hotel is located in the heart of downtown overlooking the revitalized Inner Harbor. This new hotel offers first-class accommodations, including spacious rooms, great views, restaurants, a cocktail lounge, and a health club. All meetings and events will be held at the Baltimore Marriott Waterfront Hotel. The meeting rooms are located on two floors of the hotel and are connected by escalators and elevators. Call 888/511-7809 to reserve.

Registration Packets are going in the mail very soon and the information will also be available on the HFES Web site (http://hfes.org). Our special group rate will apply three days before and three days after the meeting for those of you wishing to arrive early or stay late and enjoy the sights of the Washington/Baltimore area. Reservations must be received by Wednesday, September 4, 2002. Please reserve early as rooms at the discounted rate are limited and will go quickly.

Getting There

Baltimore is served by the Baltimore Washington International Airport (BWI) located a mere 20 minutes from downtown Baltimore. This airport offers flights on all major airlines, including Southwest, Delta, Frontier, and US Airways. Many airlines now offer special Internet fares, and travel-booking Web sites such as Orbitz (www.orbitz.com) and Travelocity (www.travelocity.com) also feature low fares.

Baltimore has excellent train service throughout the day to Washington, New York City, Boston, and Philadelphia, among many other cities. Trains are frequent, and low fares are available.

Ground Transportation and Parking

The Baltimore Marriott Waterfront Hotel is located just 25 minutes from BWI Airport. Taxicabs cost a flat rate of $19 each way. Super Shuttle vans leave BWI every half hour; rates are $18 roundtrip or $11 each way. For attendees who are driving, parking at the hotel is available for $17 per day (unlimited ins/outs).

Annual Meeting

Workshop Highlights

This year’s hands-on workshops offer a range of skills training in a variety of areas geared toward professionals at all levels of expertise. All workshops take place on Monday, September 30, at the Baltimore Marriott Waterfront Hotel. Descriptions and fees appear in the Registration Packet.

Popular returning workshops include “Practical Electromyography for Ergonomists,” “Questionnaire Design and Use,” “Customer Relationship Management,” Human Modeling Performance as a Tool for Human Factors Analysis,” “Guide for Selecting Workload and Situational Awareness Measures,” and “A Human Factors Approach to Accident Analysis and Prevention.” New offerings include the following:

- “Terrorism and Cancer: Applying Human-Machine System Models to Critical Decision Trade-Offs,” a half-day workshop for beginners and novices interested in trade-off decisions in national security or defense, health care, industrial safety, or business.
- “Quantitative Approaches to Human Factors and Usability Analysis,” a half-day workshop for experienced design and usability professionals working in a product or service design environment.
- “The TRIZ Problem-Solving Process and Its Application to Human Factors and Usability Design and Problem Solving,” a full-day workshop for beginners working in the medical community, such as health system designers, who want to be able to analyze medical accidents and implement measures for preventing them.
- “How to Investigate a Medical Accident,” a full-day workshop geared toward novice-level usability specialists, user interface designers, managers, software and hardware developers, and technical writers.
To register for any workshop, complete the appropriate section of the Registration Form (in the Registration Packet or online via the HFES Web site, http://hfes.org). Those attending only a Monday workshop need not register to attend the meeting.

Corporate Social Responsibility Colloquium

A colloquium titled “The Human/Factors Ergonomics Role in Promoting Corporate Social Responsibility” will be held on Thursday, October 3, from 8:30 a.m. to 12:00 noon. Participants in the colloquium will have the opportunity to gain knowledge of corporate social responsibility (CSR) issues and how HF/E fits into the CSR scheme. They will also learn to recognize the value of the role of HF/E in promoting CSR in developed and developing countries at the organizational, national, and international levels. Additionally, through the examination and review of actual cases, the colloquium will address how to identify and be aware of the cultural and socioeconomic effects of irresponsible business practices in developing countries.

The colloquium presenters (see below) welcome the participation of HF/E students, researchers, and professionals with interests in research areas such as sociotechnical systems, quality of working life, working conditions, corporate social responsibility, and developing countries. Corporate representatives and consultants are also encouraged to participate.

Please submit a short essay (minimum 200 words) stating why you consider this topic to be relevant for HF/E professionals. Include the issues you expect to have addressed in the colloquium.

Please send submissions to Maria J. Brunette, Industrial Engineering Department, University of Wisconsin–Madison, 360 Mechanical Engineering Bdg., 1513 University Ave., Madison, WI 53706; mjbrnette@students.wisc.edu. Electronic submissions are welcome.

Call for Student Volunteers

The Host Committee for the HFES 46th Annual Meeting invites full-time students to serve as student volunteers. Student volunteers perform many essential functions and help to ensure that the annual meeting runs smoothly. You need not be an HFES Student Affiliate member to volunteer.

Help is needed in the following key areas: workshops and seminars (September 30 only), the HFES Placement Service (September 30–October 3), the registration desk (September 30–October 4), daily on-site newsletter (October 1–3), technical tours (October 1–3), information services (throughout the week), and poster sessions (October 1–3).

You may request assignments in specific areas, and every effort will be made to ensure you receive your first or second choice. About 80 student volunteers are needed. A limited number of reduced-rate hotel rooms will be available, so early student volunteer signups and annual meeting registration are strongly encouraged. (The early registration deadline is August 30.) Volunteer slots are limited and will be accepted on a first-come, first-served basis. Assignments will be made and instructions sent prior to the meeting. Student volunteers can check in, network with other students, and obtain signatures for completed work at a special student volunteers center at the Marriott.

Students who complete an eight-hour volunteer assignment will receive reimbursement of the full registration fee, and those who volunteer for four hours will be reimbursed half the registration fee. (Refunds are processed after the meeting.) To volunteer, please send the following information to the address below: (a) complete contact information, including e-mail address; (b) your department, university, and current course load (must be full-time according to your university’s definition); (c) your first, second, and third choices from the list of key areas given above; and (d) anticipated date of arrival at the meeting. Address requests to Director of Member Services Carlos de Falla, HFES, P.O. Box 1369, Santa Monica, CA 90406-1369 USA; 310/394-1811, fax 310/394-2410, carlos@hfes.org.

Special Meeting Space Requests

Groups that wish to conduct special meetings at the 46th Annual Meeting are invited to submit requests for meeting space. Generally, meetings will be accommodated on a first-come, first-served basis; however, priority is given to meetings that are open to all interested attendees. Meetings that are open to members and attendees will be listed in the final program, which is distributed at the meeting.

To request a meeting time and space, contact Lynn Strother at 310/394-1811 or lynn@hfes.org.

HFES Election

This year’s nomination ballots have been tallied, and the following candidates have agreed to run for office. Ballots are being mailed in July to all Members and Fellows in good standing.

President-Elect
- Marvin J. Dainoff, Psychology Department, Miami University, Oxford, OH
- John Brian Peacock, NASA Johnson Space Center, Houston, TX
- Betty M. Sanders, Humanomics, Inc., Houston, TX

Secretary-Treasurer-Elect
- Paul Green, University of Michigan Transportation Research Institute, Ann Arbor, MI
- Valerie J. Berg Rice, AMEDD Center and School, Fort Sam Houston, TX
- Carol Stuart-Buttle, Stuart-Buttle Ergonomics, Philadelphia, PA

Executive Council Member-at-Large
- David J. Cochran, Department of Industrial Engineering, University of Nebraska, Lincoln, NE
Updated Graduate Program Directory

An updated version of the HFES Directory of Human Factors/Ergonomics Graduate Programs in the United States and Canada is now available, free of charge, at http://hfes.org. To submit programs for inclusion in the directory, please contact Editorial Assistant Alexandra Sartor at 310/394-1811 or alex@hfes.org.

HFES Placement Service

Effective July 1, 2002, the HFES Placement Service link on the HFES Web page will be moved to the “Members-only features,” and will become an exclusive benefit for HFES members. HFES members wishing to access the Placement Service to post a résumé or to search for a job will now log on in the Members-only section with their last name and the member ID number listed on the HFES Membership Card. The Placement Service will be one of the options available in this area, along with the online Member Directory and Consultants Directory. This new process will prevent nonmembers from using the Placement Service and provides confidence to companies that their posting will attract professionals with HF/E education and/or experience.

HFES members with an existing résumé on file are encouraged to log on and check and/or update their information. HFES members can also post a confidential résumé protecting their identity until they choose to become known to an employer.

Update from UCF

By Raegan M. Hoeft, UCF Student Chapter Vice President, Katherine A. Wilson, UCF Student Chapter President, and Wendi L. Buff, UCF Student Chapter President (2000–2001)

The HFES University of Central Florida (UCF) Student Chapter provides members with opportunities to further their professional goals through attendance at conferences and sponsorship of colloquia where members can meet the foremost researchers in the field. For the third year, chapter members voted on nominees for the Excellence in Teaching Award, which was presented to Clint Bowers. However, the chapter’s main goals have been to update the graduate program and chapter Web sites and to continue participation in the HFES international book drive for developing countries.

The chapter’s Web site (http://pegasus.cc.ucf.edu/~humfac/student_chapter.html) facilitates the recruitment of prospective students and encourages collaboration among students, faculty, and alumni by providing current information regarding research activities and contacts. The site also offers information pertaining to upcoming conferences and calls for papers, student presentations, and colloquia being held on the UCF campus and at area businesses that feature presentations by researchers in the fields of human factors, industrial/organizational psychology, ergonomics, and computer science, to name a few.

The responsibility for the HFES international book drive was transferred to the UCF Student Chapter from SUNY Buffalo in January 2000. That same year, at the IEA/HFES Congress in San Diego, our chapter won the Student Chapter of the Year Award, partly because of our participation in the book drive. To date, HFES members have donated more than 1300 HF/E books, journals, and proceedings. These books are collected, cataloged, and mailed to libraries and schools in developing countries around the world, including Brazil, Columbia, Ecuador, India, Lithuania, Slovak Republics, South Africa, Sri Lanka, Thailand, and Ukraine. We have received letters from recipients stating that their students are even more eager to learn English so that they can read the books they are receiving! We have also received invitations to conferences and seminars in these countries, such as the Ergonomics and Sport Psychology Seminar in Indonesia. (Unfortunately, finances have prevented us from attending.) In general, we are extremely pleased with the success of this effort and look forward to continuing this year.

Approximately 500 books have been donated in the past six months, which we are preparing to send out. We would like to thank Robert Gifford, William Montante, and others for their generous contributions. If you are interested in making a donation to support professionals and students around the world (all donations are tax deductible), please send your materials to Raegan Hoeft, 12424 Research Parkway, Suite 408, Orlando, FL, 32826, 407/384-2090; hoeft2@hotmail.com.

Update your E-Mail Address and Member Profile

Please log on to the members-only section of http://hfes.org and update your contact information and profile. (You will need your membership ID number, which may be found on the mailing label of this publication.)

THANK YOU!
DOB Disaster Briefing

By Geoff Mumford, Director of Science Policy, American Psychological Association

The Decade of Behavior, launched in September 2000, is a multidisciplinary public education initiative focused on the themes of health, education, safety, prosperity, and democracy. HFES is one of the 64 societies participating in the initiative. The Decade of Behavior congressional briefing, “The Human Response to Disaster,” held on April 24, included 33 congressional staff spread across five committees and 15 member offices including both the House and Senate.

The briefing was designed to address a variety of issues relevant to the post-9/11 era framed by the question: How do people, governments, and institutions prepare for and respond to disaster? Social and behavioral science research has shown that response to disaster depends in large part on the perception of risk and stress, on how emergency responders communicate with the public and make use of geographic information, and on the processes of team decision making. Disaster response involves the mass movement of people, goods, and resources and requires high levels of cooperation. Harnessing knowledge about how people behave in emergencies is important to the strategies, infrastructure, and technologies created now to prepare for future disasters.

Felice Levine, executive director of the American Sociological Association, served as moderator for the briefing. The speakers represented four scientific societies, which focus on psychology, geography, human factors, and sociology. The presenters’ names, affiliations, and speech titles appear below.

- Baruch Fischhoff, Professor, Department of Social and Decision Sciences and Department of Engineering and Public Policy, Carnegie Mellon University: “What’s Worth Knowing – and Saying – About Terrorism?”
- Douglas Richardson, Director of Research and Strategic Initiatives, Association of American Geographers: “Geographical Dimensions of Terrorism: Implications for Public Policy”
- HFES Fellow Eduardo Salas, Program Director for Human Systems Integration Research, Institute for Simulation and Training, University of Central Florida: “Responding to Crises: The Science of Team Performance Under Pressure”
- Kathleen Tierney, Director of the Disaster Research Center and Professor of Sociology and Criminal Justice, University of Delaware: “Social Science and Disaster Research Perspectives on the September 11 Attacks: Building on Our Knowledge to Make Our Communities Safer”

Attendees included representatives of the Congressional Research Service; National Academy of Sciences; National Science Foundation; Office of Federal Disaster Assistance (within USAID); Federal Emergency Management Agency; Federal Bureau of Investigation; National Institute of Justice; Department of Defense, General Accounting Office; Defense Threat Reduction Agency; U.S. State Department; Office of Educational Research Improvement; and Office of Behavioral and Social Sciences Research.

Visit http://www.decadeofbehavior.org/policyseminars/Disaster/disaster_main.html to view presentation materials.

NASA-STD-3000 On Line

NASA’s definitive human factors engineering and human interface document, NASA-STD-3000, Man-Systems Integration Standards, is now on line at the Johnson Space Center Web site (http://msis.jsc.nasa.gov). The site is totally interactive, including links that allow the user to find related information that may be scattered throughout the document and to trace the source of information included within the document. The site also includes links to video clips that provide illustrative examples of the information included in the document. You may comment on the site by sending an e-mail to either the site curator or the responsible NASA official by clicking on their names on the home page.

Is Early Ergonomics Better Economics?

The following was written in response to HFES President David L. Post’s piece in the March Bulletin entitled “Is Early Ergonomics Better Economics?”

I understand Bob [Osgood]’s quest for quantifiable data to support the early involvement of HF/E. But I’m with you in doubting that we will ever have sufficient control over conditions to provide statistical evidence.

I wonder why we continue to struggle with the cost-saving issue? I think it is no longer a useful question to try to answer. I’m afraid it relegates HF/E to an optional quality control and policing service rather than a collaborative and creative design function. This kind of discussion makes me wonder sometimes if what I and my colleagues do here at IDEO (innovation and design consultancy) qualifies any more as HF/E? But it is, if HF/E is about a systematic focus on the quality of experience and performance of the people who will use the stuff we design.

Like you, perhaps we are lucky. Our human factors professionals are involved right from the very start of design innovation and development programs. Our principal goal is not to save money for our clients by preventing design mistakes but to help spur innovation through discovering opportunities for design that solve human interaction issues that the competition doesn’t yet even realize exist. It’s about helping them take a leap forward by adopting a user-centered approach to define what is the right thing to design and then helping them design it right.

Leonard and Rayport’s 1997 article, “Spark Innovation through Empathic Design” (Harvard Business Review Vol. 75, No. 6, pp. 102–113), does not mention HF/E by name, but it is HF/E’s methods of careful contextual observation and sensitivity to
Letters, cont.

cognitive, physical, social, and cultural human factors that the authors applaud as a source of design inspiration and recommend in their urging of businesses to embrace what they call “empathic design.” My sense is that we can promote our contribution much more effectively through this kind of alignment with business goals and promoting creativity through a human-centered perspective, being at the cutting edge of innovation, than by looking for data about how we can reduce costs that other people incur through their ignorance of our field!

What do you think?

—Jane Fulton Suri

People

Kermit Davis, William Marras, and Tom Waters shared the 2002 Volvo Prize for Low Back Pain Research in Biomechanics presented by the International Society for the Study of the Lumbar Spine. The prize was awarded for their work explaining how mental stress and job pacing can result in increases in spine loading. The Volvo Prize is the most prestigious award given for low back pain research each year worldwide. The study will be published in the December issue of Spine. It is the second time Marras has won the award.

Kim Vicente received the University of Toronto’s $100,000 McLean Award, given annually for outstanding basic research. The grant is intended to help support graduate students or postdoctoral fellows.

In the News

Jake Pauls has provided insight on the problems of evacuation of buildings in several interviews since September 11, 2001. He was interviewed by the Los Angeles Times, the New York Times, the Washington Post, and USA Today. Most recently, he served as advisor and interviewee for the joint WGBH/BBC production for the UK science program Horizon (broadcast in March) and for NOVA: “Why the Towers Fell” (broadcast on PBS on April 30).

Paul Green was quoted in the May 30 USA Today cover story regarding the increasing prevalence of new in-car technology such as navigation systems, DVD players, and cameras that give rear views on an in-dash screen. Green explained that new products are entering the marketplace at a rapid pace, making it difficult for researchers determine how the new technology will affect the driver and traffic safety.

Calls for Papers

HFES Europe Chapter

Abstracts are invited for the Annual Meeting of the HFES Europe Chapter, to be held October 23–25, 2002, in Dortmund, Germany. Areas of interest include virtual reality and methodological, virtual reality applications, and high-risk environments and security systems. Abstracts are due August 15, 2002. Contact D. de Waard, University of Groningen, Grote Kruisstraat 2/1, 9712 TS Groningen, Netherlands; fax +31 50 363 67 64; d.de.waard@ision.nl, http://www.ision.nl/users/hfsec/conf.htm.

Fatigue and Transportation Conference

Abstracts are invited for the Fifth International Conference on Fatigue and Transportation, to be held March 9–14, 2003, in Fremantle, Australia. Transport environments considered will cover road, shipping, railways, flight, and mining. Half the conference will be devoted to papers on these topics and the remainder to workshops tackling solutions to problems in fatigue management. Abstracts are due February 1, 2003. Contact Laurence Harley, Conference Convenor, Institute for Research in Safety & Transport, Psychology, Murdoch University, Western Australia 6150; fax +618 9360 6492; hartley@soc.murdoch.edu.au, http://www.congresswest.com.au/FATIGUE2003.

Calendar

Announcement deadlines: 1st day of the month prior to the desired issue; for events or deadlines within the first 3 weeks of a month, send information at least 2 months in advance. Items are published according to space availability.


★ Institute of Transportation Engineers 2002 International Conference and Exhibit, September 12–13, 2002, Melbourne, Australia. Conference Secretariat, Irene Thavarajah, Conference Management Office, P.O. Box 70, Monash University, VIC 3800, Australia; fax 61 3 9905 1343; irene.thavarajah@adm.monash.edu.au.


★ The Royal Institution of Naval Architects in Association with the Ergonomics Society Second International Conference, October 2–3, 2002, London, UK. Conference Department, RINA, 10 Upper Belgrave St., London SW1X 8BQ; fax +44 (0) 20 7259 5912; conference@rina.org.uk.
Plan to Attend!
HFES 46th Annual Meeting
September 30–October 4, 2002

Now at the HFES Web site:
Exhibitor Information
Overview of Technical Sessions
On-Line Registration
Preliminary Program
Early reg deadline: August 30, 2002
Hotel booking deadline: September 4, 2002

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