HFES Broadens Knowledge Network With New Outreach Resources

By Maryam Ashoori, Chair, Social Networking Operations Committee

The Social Networking Operations Committee (SNOC) employs social media with the aim of fostering and strengthening relationships among HFES members. Since 2011, the committee has focused on expanding HFES’s presence throughout online social media platforms and encouraging all members to connect, share knowledge, and broaden their network. The HFES LinkedIn group, with more than 6,200 members to date, represents the largest online community of HF/E scientists, engineers, and other practitioners.

This article brings members two new guides for expanding outreach efforts for HF/E professionals and the field itself.

Connect With Your Colleagues on LinkedIn

SNOC maintains several HFES LinkedIn groups, including a general discussion board, and a number of groups for technical groups, local chapters, and student chapters, discussing specific topics within the HF/E field. You can view the complete list of groups here.

If you are new to the social-networking arena, use our new guide for using LinkedIn to make the most effective use of this network.

Join the Conversations on Twitter/Facebook

HFES has more than 500 Twitter followers and 200 members on Facebook. We encourage you to read late-breaking news and share your experiences with the Society through Facebook and Twitter. If you plan to attend this year’s Annual Meeting in Boston, follow @HFES2012 to receive updates directly from the Host Committee. SNOC encourages all attendees to join the conversation on the Twitter feed using the hashtag #HFES2012.

We just released a guide to Twitter for those members who are new to this fun social network.

Webinars

In early 2011, the committee helped develop a webinar series featuring monthly speakers. The HFES Webinar Series has been a great success, drawing in hundreds of members and nonmembers to learn about HF/E-related subjects. See details about the September webinar elsewhere in this issue.

SNOC members thank Anthony D. (Tony) Andre for his direction and support in our early stages of development, and the Communications Department staff for helping to implement our plans on the HFES Web site.
Maryam Ashoori is a user-experience researcher at the IBM Software Group and chair of the Social Networking Operations Committee. She received her PhD in systems design engineering from the University of Waterloo in 2012.

**ANNUAL MEETING**

**Meeting on Decreases in U.S. Graduate Program Funding – Reserve Your Seat**

Over the past several years, human factors/ergonomics educators in some universities have noted a decrease in funds available for their graduate programs. This has resulted in a decrease in students enrolling in these programs, and potentially a decrease in PhD-level individuals with HF/E backgrounds to take academic positions in the future. This problem may worsen with decreases in funding at the federal and state levels for research and education.

HFES President Mica Endsley (SA Technologies), Nancy J. Cooke (Arizona State U.), Ronald G. Shapiro (consultant), and National Ergonomics Month Committee Cochair Joseph Keebler (Wichita State U.) will be leading a special meeting on Thursday, October 25, from 1:30 to 3:00 p.m. in the Faneuil Room to discuss this topic and identify key action items to focus on throughout the year.

Attendees from both academia and industry who are interested in the topic and prepared to commit time and, potentially, resources to help solve this critical problem are encouraged to request a spot at the table. The meeting will begin with an introduction by Endsley and a statement of the problem by Cooke. The remainder of the time will be highly interactive and aimed at working toward a solution.

Please reserve your seat as soon as possible by e-mailing Ron Shapiro. Academic and industry leaders who want to help keep HF/E graduate programs strong are urged to attend.

**Health-Care Simulation Training Systems: A Special Designer’s Session**

*By Mark W. Scerbo, Old Dominion University*

HFES 2012 Annual Meeting attendees have a unique opportunity to hear from medical simulation technology experts during the alternative-format session, “Creating Health-Care Simulation Training Systems: A Designer’s Forum.” The session takes place on Tuesday, October 23, 3:30–5:00 p.m.

Simulation systems are creating a paradigmatic shift in health-care education, allowing trainees to practice on devices instead of patients. Beyond training benefits, health-care simulation technology offers members of the human factors community the opportunity to study issues faced by health-care providers without placing patients at risk. To date, however, there has been less human factors involvement in the design and development of the technology itself.

Health-care simulation systems present developers with some unique challenges, including the mathematical representation of organs and tissue with adequate visual and haptic fidelity to enable learning, as well as generating reliable and valid metrics of user performance. To stimulate greater interest in the development of health-care simulation technology within the HF/E community, the session will bring together three leading designers of medical simulation technology:
• Dwight Meglan, chief technology officer at SimQuest, LLC, has more than 20 years of experience developing virtual reality surgical simulator systems. He will discuss the processes needed to deconstruct learning objectives into cognition- and proprioception-oriented skills and develop scenario-based education with quantitative, objective measures of proficiency.

• Alan Liu is director of virtual medical environments at the National Capital Area Medical Simulation Center of the Uniformed Services University of the Health Sciences. He will describe some of the center’s virtual reality systems for combat casualty care training, and the Wide Area Virtual Environment (WAVE), an 8,000-square-foot virtual space with two pods comprising eighteen, 9 x 12-foot displays.

• Steven Dawson is a radiologist and program lead for medical simulation in the Massachusetts General Hospital Department of Imaging. He will provide a description of the several prototypes developed by his team, including VIST®, a virtual reality simulator for endovascular/interventional radiology procedures, and VIRGIL is a computer-mannequin hybrid system for training thoracostomy (chest tube insertion), which was chosen to become part of the permanent collection of the National Museum of Health and Medicine in Washington, D.C.

Each panelist will discuss the processes used to recreate physical and virtual anatomical and physiological systems and the requirements for effective user performance. They will also describe some of the successes and challenges they have encountered creating these unique systems. In particular, the presenters will address issues surrounding the fidelity of their systems, interface design, performance assessment, and system validation. The session will include an open forum between the panelists and members of the audience to discuss some of the unique human factors/ergonomics issues that play a role in the development of effective health-care simulation systems.

Mark W. Scerbo, PhD, is a professor of human factors psychology at Old Dominion University and has over 30 years of experience researching and designing systems and displays that improve user performance. His current research focuses on the design and evaluation of health care simulation systems.

Education and Training Session: Gary Klein on Decision Making

By Nancy J. Stone, Chair, Education and Training Committee

Based on responses received in the 2009 Education and Training Needs Survey, HFES members indicated a strong desire to learn more about the concept of decision making. To help meet this need, the Education and Training Committee is excited to announce that HFES Fellow Gary Klein (MacroCognition LLC), a renowned expert on decision making, will present an invited talk at the Annual Meeting entitled “Ten Things Human Factors Professionals Need to Know about Decision Making.” Gary’s presentation will take place on Thursday, October 25, from 8:30 to 10:00 a.m. We hope to see you there!
Student Career and Professional Development Day Events
By Kim-Phuong L. Vu, Student Affairs Committee Chair

Monday, October 22, will be packed with helpful information targeted at today’s students and tomorrow’s HF/E professionals. Student Career and Professional Development Day at the HFES Annual Meeting provides an opportunity for students to focus on career preparation and transition and to learn from those who have gone through this preparation. Panelists for Career Day represent both recent graduates and successful professionals from high-profile companies. Below is a complete schedule of the day’s exciting and informative events.

8:55 a.m. Welcome, Kim Vu, HFES Student Affairs Chair

9:00–10:15 a.m. Panel 1: HFES Fellows and Leaders: Preparing for a Successful Career in Human Factors, Ronald G. Shapiro, Chair (HFES Fellow, Consultant)

   Panelists: HFES Immediate Past President Anthony D. (Tony) Andre, cochair (Interface Analysis Associates), Nancy J. Cooke (Arizona State U.), and Lauren Reinerman-Jones (Inst. for Simulation and Training)

10:15–10:30 a.m. Coffee Break

10:45 a.m.–12:00 noon Panel 2: A Day in the Life, Chair: Haydee M. Cuevas (Embry-Riddle Aeronautical U.); Richard J. Gardner, cochair (Boeing Co.)

   Panelists: Heather C. Lum (Penn State Erie-The Behrend College), Joseph R. Keebler (Wichita State U.), Arathi Sethumadhavan (Medtronic, Inc.), Farilee Mintz (Booz Allen Hamilton), Paul Havig (Air Force Research Lab 711 HPW/RHCV), and Sherry L. Chappell (National Transportation Safety Board)

Noon–1:30 p.m. Lunch Break

1:30–2:45 p.m. Panel 3: Selecting an Academic Versus Industrial Career in Human Factors (Chair: Nicole Werner (George Mason U.; hosted by the George Mason U. Student Chapter).

   Panelists: Deborah A. Boehm-Davis (George Mason U.), Valerie J. Gawron (MITRE Corp.), Richard J. Holden (Vanderbilt U. School of Medicine), and Robyn S. Kim (Exponent, Inc.)

At the end of the panel discussions, there will be a 30-minute informational session on the Board of Certification in Professional Ergonomics.

Interview Space Reservations Open for On-Site Career Center

The HFES On-Site Career Center provides an outstanding opportunity for employers and job seekers to meet informally and in prearranged interviews. Subscribers
to the HFES online Career Center may reserve booths, tables, or both at the On-Site Career Center. Download the reservation form or contact HFES at 310/394-1811, placement@hfes.org.

Employers are encouraged to post job openings on the HFES Web site by September 24, 2012. This will provide candidates the time to search the database and give employers time to review résumés and schedule meetings with potential candidates. The scheduling of formal or informal interviews at the Annual Meeting is the sole responsibility of the prospective employer.

Candidates looking for a job or seeking new career opportunities are encouraged to post their résumés and search for jobs in the Career Center on the HFES Web site. This service is for HFES members only.

The Career Center hours for the 2012 Annual Meeting are Monday, October 22, 1:00 to 6:00 p.m.; Tuesday and Wednesday, October 23–24, 8:30 a.m. to 6:00 p.m.; and Thursday, October 25, 8:30 a.m. to 5:00 p.m.

If you plan to be available for interviews at the Annual Meeting, bring copies of your résumé to the meeting and visit the Online Career Center to see a listing of employers conducting interviews during the Annual Meeting. Check back often, as this list will be updated frequently.

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**INSIDE HFES**

**HFES Welcomes New Officers and Executive Council Members**

HFES is pleased to announce the results of the 2012 election and congratulates the following newly elected officers and Executive Council members. Their terms will begin at the 2012 Annual Meeting in Boston.

**President-Elect**
Francis T. Durso, Georgia Inst. of Technology

**Secretary-Treasurer-Elect**
Barrett S. Caldwell, Purdue U.

**At-Large Executive Council Members**
Sandra K. Garrett, Clemson U.
M. Susan Hallbeck, Mayo Clinic

**2013 Awards Nominations Invited**

Each year during the HFES Annual Meeting, the Society honors outstanding persons who have made significant contributions to the human factors/ergonomics discipline. Nominations are requested from HFES Full Members for six of these awards. Nominees are not required to be HFES members. Submissions are due on or before March 29, 2013.

To nominate an award candidate,

- submit the candidate’s résumé or curriculum vitae, a nominating letter, and at least two but no more than three letters of support from individuals who know the can-
didate well enough to assess his or her candidacy in terms of the award’s criteria; and

• send all nomination packages via e-mail to Lynn Strother. Please submit the package as a single file in PDF format.

Nominations are sought for the following awards:

Hal W. Hendrick Distinguished International Colleague Award recognizes a non-U.S. citizen who has made outstanding contributions to the human factors/ergonomics field. Candidates are considered based on the significance of their contributions and their worldwide recognition within and outside the HF/E profession.

Paul M. Fitts Education Award recognizes a person who has made exceptional contributions to the education and training of HF/E specialists. The award is open to all Society members who train or educate and is not restricted to academic educators. Candidates should either be currently or previously engaged in college or university teaching of HF/E material or should have written significant textbooks in the field. The principal criteria for evaluation are the influence that the candidate has had on students and/or how extensively the candidate’s work has been used by educators in general. If the criterion for the award is student influence, as many as five testimonials from current or previous students may be submitted in addition to the curriculum vitae or résumé and letters of recommendation.

A. R. Lauer Safety Award recognizes a person for outstanding contributions to HF/E aspects in the broad area of safety. This includes HF/E work that has led to reduced accidents and injuries in such areas as industry, aviation, surface transportation, and consumer products. Candidates’ accomplishments should be related to safety or safety training technology as demonstrated by research or application of HF/E principles. Emphasis should be placed on both programmatic and recent contributions to the field of endeavor.

Alexander C. Williams, Jr., Design Award recognizes those who have made outstanding contributions to the conception or design of any product, service, or system that has had a significant impact on users and exemplifies the excellent use of empirical HF/E design principles. “Product, service, or system” may include consumer or business products, training systems, communications systems, computing systems, display systems, control systems, highly procedural systems such as the air traffic system, or any combination of one or more people and equipment designed to perform some goal-oriented function. The product, service, or system need not necessarily be extremely large or complex. The essential criteria are that the product, service, or system has achieved operational status and that its conception and design are based on the outstanding application of experimentally determined HF/E design principles.

In addition to the curriculum vitae or résumé and letters of support, other evidence of the success of the design will be accepted, such as testimonials from users’ performance evaluations or papers or reports that substantiate the extent to which the submission is based on experimentally derived HF/E design principles.

Jack A. Kraft Innovator Award honors a person for significant efforts to extend or diversify the application of HF/E principles and methods to new areas of endeavor. In addition, candidates must have made effective efforts to encourage the application of HF/E knowledge and techniques in new areas. The field of endeavor should differ from previous military, space, government, or industry-supported work. Candidates will be evaluated on the significance of their effort to society in general,
the adequacy of the effort to accomplish intended objectives (e.g., thoroughness of problem analysis, effectiveness of proposed or achieved solutions), and the impact of their effort on the HF/E profession.

**Oliver Keith Hansen Outreach Award** recognizes members and nonmembers who engage in significant activities that broaden awareness of the existence of the HF/E profession and the benefits it brings to humankind.

Award winners are notified prior to the HFES Annual Meeting and are recognized during the opening plenary session.

HFES also presents the following awards each year, which are not open for nominations:

- **Jerome H. Ely Human Factors Article Award** for the best paper published in the previous year's volume
- **Best Ergonomics in Design Article Award** for the best article published in the previous year's volume
- **Arnold M. Small President’s Distinguished Service Award**
- **Alphonse Chapanis Student Paper Award**

**New JCEDM Podcast on Team Cognitive Work Analysis**

The *Journal of Cognitive Engineering and Decision Making* has just launched the second podcast in its series, consisting of author “Q&A” and discussions, as an opportunity to illuminate the personal side of material published in the journal.

The “Team Cognitive Work Analysis: Structure and Control Tasks” podcast, available [here](#), features a conversation between *JCEDM* Editor-in-Chief Amy Pritchett and Catherine Burns about the paper with Maryam Ashoori, “Team Cognitive Work Analysis: Structure and Control Tasks.” The paper is available through [SAGE Online First](#) (free to members; log in at hfes.org) and will be published in an upcoming issue.

Stay tuned for announcements about upcoming *JCEDM* podcasts!

**Gray to Present Webinar on Natural Interactive Behavior**

On September 24, Wayne D. Gray, Rensselaer Polytechnic Institute and Alexander von Humboldt Foundation, will present the webinar, “The Specious Present, Natural Interaction, and Why Suboptimal Performance Results When Human Systems Violate the Design Assumptions of Nature.” Members can [register](#) at no charge. The webinar will take place at

9:30-11:00 a.m. Pacific  
10:30 a.m.-12:00 noon Mountain  
11:30 a.m.-1:00 p.m. Central  
12:30-2:00 p.m. Eastern
About the Webinar

William James may have been the first, but he was certainly not the last to find the 3-second time span of immediate interactive behavior as being very different from other time spans of human experience. In this webinar, Wayne Gray will discuss historical, ethnographic, behavioral, and neurocognitive data for the “exceptionalism” of this time span. He will introduce four big ideas about natural interaction that work at the time span of James’s “specious present,” introduce the notion of memory as an active resource, and conclude by arguing that too many human systems violate these design assumptions of nature.

Although some of the data discussed will be grounded in cognitive neuroscience, this webinar will be aimed primarily at the functional level of cognition with a focus on understanding and predicting behavior at the unit-task level of analysis (as per Card, Moran, & Newell, 1983). It should be of interest to much of the HF/E research community, especially those concerned with modeling and predicting human interactions with natural and designed task environments.

About the Presenter

Wayne D. Gray is a researcher in the fields of computational cognitive modeling, cognitive neuroscience, interactive behavior, cognitive task analysis, cognitive workload, and human error. Since earning his PhD from the University of California, Berkeley, he has worked for government and industry research laboratories and for universities. He is a professor of cognitive science at Rensselaer Polytechnic Institute.


Register Today

HFES webinars are free for members. Nonmember registration is available for $125, and nonmember student registration is available for $40. Both nonmember groups can register here. Please bookmark and check the HFES Webinars home page for updates on this and future webinars!

Old Dominion University Hosts 2012 Student Conference

By Becca Kennedy, President, and Alex Proaps, Past President, Old Dominion University Student Chapter

On June 7–8, Virginia human factors graduate students took advantage of the slower academic pace of summer when the Old Dominion University (ODU) Student Chapter hosted a semi-local student conference. The goal was for students from ODU, George Mason University (GMU), and Virginia Tech (VT) to collaborate and exchange ideas. The result was an event that was enjoyable and beneficial for attendees.
The conference kicked off with a heavily attended colloquium on HF/E models of attention by invited guest speaker and HFES Fellow Christopher D. Wickens. The audience also included HFES Tidewater Chapter members and various students and faculty from related disciplines. Wickens discussed several attention models and the underlying theme of effort.

The student conference portion of the event began the next morning with a poster session and a tour of four ODU research facilities. At each one, ODU students provided overviews of their past and current projects and facilitated interactive demonstrations. In addition, attendees visited the Virginia Modeling, Analysis, and Simulation Center (VMASC) East facility for a demonstration of the immersive Virtual Operating Room.

In the afternoon, student research presentations focused on exchanging information about research and receiving feedback from peers in a friendly environment. These sessions provided insight into the fascinating and diverse research projects undertaken by researchers from the three universities. For example, Gurjot Dhillon (VT) discussed slate device accessibility, Enilda Romero-Hall (ODU) talked about emotional animated agents in virtual environments, and Bridget Lewis (GMU) presented the “Distractions N’ Driving” program, which is aimed at using a driving simulator to demonstrate to high school students the dangers of cell phone use behind the wheel.

Overall, students from all participating universities enjoyed sharing the experience and benefited from the opportunity to interact with one another. We expect that the tradition of the student conference will continue in future years and encourage all HF/E students in Virginia and neighboring states to consider joining us!

Becca Kennedy is a fourth-year human factors PhD student at ODU and president of the HFES ODU Student Chapter for the 2012—2013 academic year. Alex Proaps is a fifth-year human factors PhD student at ODU. She is past president and current vice president of the student chapter.

Reminder: Submit Your “What Is Cognitive Engineering?” Video

The videos should be technically sound but still accessible to professionals outside the domain or the human factors/ergonomics field. The video can spark controversy and debate about cognitive engineering, but the presentation of these debates should not rely on portrayals that are themselves offensive or otherwise not suitable for viewing by the general public. Submissions will be scored on their ability to describe the purpose and methods of cognitive engineering in a manner that is engaging and motivates the viewer to learn more.

Videos should be at least 5 but not more than 10 minutes in length. To submit your video/s, (1) post it/them on YouTube and (2) send an e-mail to JCEDM Editor-in-Chief Amy Pritchett. Be sure to provide your contact information and the link to the video.

Videos submitted by 8:00 p.m. Eastern time on Sunday, September 30, will be considered for cash prizes. Winners will be announced at the HFES 2012 Annual Meeting in Boston during the panel, “Origins to Destinations: Looking Forward to the Next 30 Years of Cognitive Systems Engineering.” Links to the top 3 videos will be provided on the HFES, CEDM Technical Group, and JCEDM Web sites and announced via social networking sites associated with the journal and the CEDM Technical Group.

In Memoriam: Ben-Tzion (Bentzi) Karsh

Bentzi Karsh (October 1, 1971–August 18, 2012) grew up in Milwaukee, Wisconsin, in a family that cherished education. Bentzi and his three siblings graduated from the University of Wisconsin-Madison, where a proud family tradition was established.

Bentzi majored and excelled in the field of psychology. During his junior year, he discovered human factors courses in the Industrial Engineering Department and was hooked. He spent his senior year almost exclusively on the Engineering Campus in the laboratory of Michael J. Smith and took several classes on human factors, ergonomics, and safety. Bentzi earned his bachelor’s in psychology and master’s and doctorate degrees in industrial engineering.

Bentzi worked with many faculty members in the IE Department, including William Reddan, Pascale Carayon, Robert Radwin, Greg Vanderheiden, Barrett Caldwell, and Steve Wiker. His research projects dealt with drug safety, harvesting machinery cab design, office ergonomics, and ergonomics improvements in food processing. Following his doctorate, Bentzi worked as a research scientist, dealing with ergonomics and safety in farming with Larry Chapman in agricultural engineering. He then conducted research dealing with health-systems engineering and improving the quality of care with François Sainfort and, later, Pascale Carayon, director of the Center for Quality and Productivity Improvement.

When an opening occurred in the Industrial Engineering Department in 2001, Bentzi was recruited to become a member of both the HF/E and the health-systems engineering faculties, as his interests fit both areas. In 2007, he was promoted to associate professor, and tenure followed in early 2012 with a promotion to professor of industrial and systems engineering.

Bentzi was very successful as a teacher, research scientist, and practitioner of engineering for patient safety and health-care quality. His research focused on macroergonomics in health care delivery systems, in particular optimizing human interaction with technology in health-care settings and understanding the relationship between the work system and patient safety in vulnerable populations such as children.
and the elderly. His research had significant academic and practical impact. His papers are routinely cited; for example, “Health Information Technology: Fallacies and Sober Realities” with coauthors Matthew Weinger, Pat Abbott, and Robert Wears has been downloaded more than 1,500 times since its publication in October 2010. Bentzi published more than 60 journal papers; several of his studies are still ongoing and will continue to produce important research insights for years to come.

In recent years, Bentzi focused his research on human factors in primary care, an understudied but critical research area as primary care struggles to find ways to deliver health services in an effective, safe, and efficient manner. His research collaborations involved several physicians. Bentzi was extremely active and successful in securing research funding, receiving multiple grants from the Agency for Health Care Research and Quality and the National Institutes for Health. Known as one of the leading thinkers in applying HF/E to health-care systems, he was invited to lecture about patient safety and related topics around the world.

Bentzi was a passionate teacher and mentor, taking students to hospitals and physicians’ offices to meet health-care providers and patients. He was the adviser of numerous graduate students, including five PhD students. He was among the first engineering professors to videotape his lectures to make them more widely available and to use them as feedback and improve his teaching delivery style. Bentzi was a perfectionist in his teaching and research. He instilled this same sense in his graduate students. In 2009, Bentzi was inducted into the U. of Wisconsin Teaching Academy. He also taught summer and online courses for health-care professionals.

Bentzi is survived by his wife, son, daughter, parents, and siblings.

HUMAN FACTORS AND APPLIED COGNITION. GEORGE MASON UNIVERSITY. The Department of Psychology at George Mason University has a tenure-track, junior-level professorship available to begin in Fall 2013. We seek cognitively oriented human factors researchers who closely integrate theory and application. The position is open to a variety of research specializations, as long as the research advances cognitive theory in the context of real-world problems. We particularly seek researchers working on applications in areas such as, but not limited to, aviation, ground transportation, heath care, human-computer interaction, and robotics. The successful candidate will be part of the Arc Lab, which consists of 7 full-time faculty and about 50 graduate students. See http://archlab.gmu.edu/home.shtml. Arch Lab members conduct research in attention, audition, interruptions, memory, vigilance, and visual perception as applied to such domains as automation, aviation, driving, human-computer interaction, and robotics. Work in the lab is focused on behavioral and computational methods, but neuroergonomic techniques are also used in some of our research. The successful candidate could be a member of the new Center of Excellence in Neuroergonomics, Technology, and Cognition (CENTEC) that was established in 2010. See http://centec.gmu.edu. The successful candidate will be expected to teach undergraduate and graduate classes, including required and seminar courses in topics in human factors, and demonstrate scholarship capable of attracting external funding. Candidates for higher ranks may be considered if they are able to bring external research funding with them. Additional information on the Human Factors and Applied Cognition program can be found at http://archlab.gmu.edu.

Applicants must apply online at http://jobs.gmu.edu and write in position number F8792z. Applications should include (a) cover letter, (b) a vita, (c) research and teaching statements, and (d) three representative research reprints. [Non-electronic reprints may be mailed to Ms. Ridley]. In addition, three letters of reference should be submitted, either online to sridley@gmu.edu or via regular mail to Ms. Susan Ridley, Human Factors and Applied Cognition Search Coordinator, George Mason University, MS 3F5, Fairfax, Virginia 22030-4444. The search committee will begin reviewing applications on October 1, 2012, and continue until the position is filled.
Human Factors and Ergonomics Society
56th Annual Meeting

October 22–26, 2012
Westin Boston Waterfront
Boston, Massachusetts USA

Featuring:
- Hands-on workshops
- 100+ technical sessions covering up-to-date research and applications on a broad range of human factors/ergonomics areas
- Keynote address
- Student Forum session track
- Interactive posters and demonstrations
- Technical site tours
- On-Site Career Center

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