Welcome to Boston—Where History Meets High Tech

By Marc L. Resnick, Chair, 2012 Host Committee

The 2012 Annual Meeting Host Committee welcomes you to Boston, which *Entrepreneur* magazine recently rated as the best large U.S. city for business travel. Our hotel, the Westin Boston Waterfront, is conveniently located a mere 10 minutes from Logan Airport via car, bus, or water taxi. The meeting will provide a strong technical program and many opportunities for social and professional interaction. In addition, the Host Committee will unveil a few new features during the week.

Special Events
The Host Committee invites HFES Fellows, early-career professionals, and first-time attendees to special networking receptions. These events will reconnect you with colleagues and enable you to make new connections with other attendees who share your passion for the discipline. The First-Timers’ Reception will be held just before the Gala Opening Reception, the Fellows’ Reception will be held on Wednesday, October 24, from 7:30 to 9:00 p.m., the and the Future Leaders and Volunteers reception will take place immediately after the HFES Business Meeting, which will be held on Tuesday from 6:00 to 7:00 p.m.

Technical Sessions
Under the direction of Technical Program Committee Cochairs Cheryl A. Bolstad and Christopher B. Mayhorn, Society technical groups have developed an exciting and informative technical program that includes a balance of lectures, panels, symposia, demos, and posters. This year, special invited sessions have been organized through the leadership of some of the technical groups. The Internet and Computer Systems Technical Groups have organized User Experience Day, which will be held on Wednesday, October 24. Details for this event are available in this issue. More information will be available in the Annual Meeting program. Bookmark the 56th Annual Meeting Web page for details as they become available.

Tours
The Technical Tours Subcommittee, led by Rebecca Grayhem, has arranged several top-notch and highly interesting tours at the following locations:
Volpe
MIT Labs
MIT Lincoln Labs (separate tour from the University Labs)
The Center for Clinical Investigation at Brigham and Women's Hospital
Continuum
Liberty Mutual Research Institute
Fidelity Investments Usability Lab
Massachusetts General Hospital
Tactable

Paul Revere Statue. Photo credit: Greater Boston Convention & Visitors Bureau

Full details and information on the tours will be available in the registration brochure, to be distributed in July, and on the Web site.

Student Community
Sami Durani has put together a team of student leaders and volunteers who are committed to giving students an exceptional conference experience. The Tufts University Student Chapter, led by Katie Morowsky, is organizing the Student Lounge. The Student Lounge will provide a venue for students to network and socialize in a relaxed atmosphere. Invited speaker presentations, discussions, and other special events are being planned, so stay tuned. Students are welcome to stop by to relax, meet other students, and discuss research activities. Bulletin boards will enable students to post information such as social outings and carpooling arrangements.

The MIT University Student Chapter is organizing the Scavenger Hunt this year, under the leadership of Jason Ryan. For those of you who participated last year, look for a similar contest with a few Boston twists to pique your interest. If you didn’t take part in last year’s Scavenger Hunt, I strongly recommend giving it a try.

Boston Harbor skyline. Photo credit: Greater Boston Convention & Visitors Bureau

Other regular events for students are Student Career and Professional Development Day on Monday, October 22, from 9:00 a.m. to 4:30 p.m., and the Student Reception on Tuesday from 5:00 to 6:00 p.m. In addition, the technical program will include three Student Forum sessions featuring student work.

Mobile Meeting App!
The mobile meeting app that was launched at last year’s conference was a rousing success. Based on feedback from last year’s attendees, the app will be improved for a quick and easy download that will enhance your conference experience.
Staying Connected

Attendees will be able to keep up with news and event updates through the daily newsletter. The Newsletter Subcommittee, led by Hayley Davison Reynolds, will keep you informed. We also encourage you to read late-breaking news and share your experiences at the meeting through Twitter and Facebook. You can follow the Annual Meeting on Twitter by searching for “hfes2012,” and feel free to tweet using the hashtag “#hfes2012.” By following the “#hfes2012” tag on your mobile Twitter app, you can have a real-time dialogue with other attendees and organizers. A Facebook page called “HFES 2012” (linked to the Twitter account) will be your “go-to” Facebook site prior to, during, and after the meeting. There you can post great experiences, questions, photos, and videos about the Annual Meeting.

(Photograph above) Concord Bridge. Photo credit: Greater Boston Convention & Visitors Bureau

Experience Boston

The Hospitality Committee, led by Sylvain Bruni, will provide a guide to local restaurants, nightlife, transportation, and must-see attractions. If you are a first-timer to Boston, make sure to schedule an extra day or two to experience all that the city has to offer.

It’s Time to Start Making Your Plans!

One of the main perks of the Annual Meeting is face-to-face interaction with friends, colleagues, and peers. This year, the Host Committee has been working hard to increase your opportunities for professional and interpersonal networking by offering more social events and receptions. We hope that our efforts, and those of the Technical Program Committee and TGs, will make the 56th Annual Meeting one of the most memorable you’ve attended. An incredible team from the Host Committee contributed to both the work behind these descriptions and the writing of this article. You will meet them all in October in Boston.

ANNUAL MEETING

Getting to—and Around—Boston

By Steve Marlin, HFES Meeting Planner

The city of Boston hosts more than 12 million visitors annually, and this year HFES 56th Annual Meeting attendees will add to that number. Boston is renowned for its cultural facilities, world-class educational institutions, champion sports franchises, and position at the forefront of American history. First incorporated in 1630, Boston has become the economic and social hub of New England.
Westin Boston Waterfront Hotel

Located in Boston’s revitalized Seaport District and a mere 3 miles from Logan International Airport, the Westin Boston Waterfront is a modern, smoke-free hotel that offers light and airy rooms that feature 32-inch flat-screen TVs, ergonomic desk chairs, and the famous Heavenly Bed. The HFES group rate is $259 plus tax for single or double occupancy (one-night’s deposit is required). The special rate ends September 28, 2012, or when our room block is full, so book your room early. The hotel also offers an indoor pool, a gym, concierge services, and a daily complimentary shuttle to Faneuil Hall.

There are numerous transportation options between the airport and the hotel, including a water taxi, ($10 each way), Silver Line bus service ($2 each way), and taxis. The Silver Line and the Water Taxi drop-off points are an easy 5–7-minute walk from the hotel.

We look forward to seeing you at the Westin Boston Waterfront!

Join HFES for User Experience Day

By Kenneth Ohnemus, Program Chair, Computer Systems Technical Group, and Marc Resnick, Chair, 2012 Annual Meeting Host Committee

User Experience Day is a dedicated track of programming specifically geared for user experience (UX) professionals. The event will take place on Wednesday, October 24, from 8:30 a.m. to 7:00 p.m. The objective is to deliver a great program of technical sessions and networking opportunities for all attendees. Members of sister organizations who have an interest in user experience have been invited, and all attendees are welcome to stop by for any or all of the day’s activities. This is your chance to make personal connections with a wide variety of UX professionals from around the world.

The schedule for 2012 is a full day of high-quality programming with something for everyone, including:

- Keynote speaker Bill Buxton, author and principal UX researcher at Microsoft Research;
- a panel discussion on integrating UX in agile development;
- Future Leaders Speed Networking (by invitation only); and
- UX Day Happy Hour (sponsored by Emerson Process Management).

We hope you can join us for a fun and informative program.

Plan to Attend Student Career and Professional Development Day

By Kim L. Vu, Chair, Student Affairs Committee

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 will represent both recent graduates and successful professionals from high-profile companies. As of this date, the tentative schedule of panels is as follows:

- Panel 1 (Chair: Nicole Werner and George Mason University Student Chapter): Selecting an Academic Versus Industrial Career in Human Factors
- Panel 2 (Chair: Jennifer Riley, SA Technologies): What Human Factors Professionals Do on a Daily Basis
- Panel 3 (Chair: Ronald G. Shapiro, HFES Fellow): Successful Careers in Human Factors/Ergonomics

Please plan to attend this special event devoted to students. Full details on the session topics and panelists will be included in a later issue of the *HFES Bulletin*.

**NEM 2012 Is Coming!**
*By Joseph R. Keebler, Cochair, NEM Committee*

It’s time to start preparing for National Ergonomics Month! NEM is now in its tenth year. If you have never participated, there’s no time like the present to get started!

**Sign Up for the 3rd Annual NEM Expo**

This is the official call for participation in the 3rd Annual NEM Expo, to be held on Monday, October 22. The Expo will feature booths highlighting the outreach activities performed by organizations, universities, and individuals, and will offer attendees the opportunity to participate and learn about these successes. All are welcome to reserve a booth or a poster board for presenting ideas and activities that raise awareness of HF/E in their community.

**Participate in the NEM Best Action/Implementation Plans**

The NEM Committee invites all members, local chapters, and student chapters to create a plan of action that actively promotes NEM and HF/E in your communities. Examples include speaking about HF/E at your local schools; writing articles on HF/E for your company, school newsletter, or community newspaper; and using the Internet—via social networking, photo, and video sites—to upload materials and discuss HF/E. Demonstrations of technology of all shapes and sizes are welcome. For more great ideas, visit the [NEM Web site](#).

To participate in the 2012 contest, please include the following information in a Microsoft Word file and send it as an attachment to joekeebler@gmail.com by **August 11th**.

- Title of your action plan.
- Proposer’s name(s), address, e-mail, and daytime phone number.
- Names of other professionals and/or students participating in organizing or implementing your action plan.
- Whether the entry is on behalf of an official local or student chapter. If so, please specify the chapter’s name.
• Brief description of your action plan. What activities are planned?
• Timeline for your action plan. When will you be implementing it?
• Goal(s) of your action plan. What do you seek to accomplish?
• What audience(s) are you targeting (e.g., community, students, corporations, government)?

Awards will be presented for the best action plans at the 56th Annual Meeting in Boston. Entries are also invited for the 2012 NEM Best Implementation Plan Contest. Details for both contests are available on the NEM Web site.

For more information to reserve space at the NEM Expo, or to submit your NEM Best Action/Implementation Plans, please visit our Web site or contact me at joekeebler@gmail.com.

Past President’s Forum Focuses on the Future of HF/E in Academia and Research
By Anthony D. (Tony) Andre, Immediate Past President

The 2012 Past President’s Forum, “Our Future HF/E Professors and Researchers: Is Anyone in the Pipeline?” will be presented on Tuesday, October 23, from 10:30 a.m. to 12:00 noon. With the growth in popularity of our profession and seemingly ample opportunities for our graduate students to obtain employment in the private sector, it is important to question the future state of our academic and research profession. Are we at a crisis point in attracting students into academics and theoretical research? If so, what can be done to change the trends?

This panel will explore the trends and interests of recent and near-future generations of graduate students in HF/E. With input from the audience, panelists will attempt to identify solutions toward protecting the future of HF/E academics and scientific research. Panel members include

• Raja Parasuraman, Professor, Director, PhD Program in Human Factors and Applied Cognition, and Director, Center of Excellence in Neuroergonomics, Technology, and Cognition (CENTEC), George Mason University
• Esa M. Rantanen, Associate Professor, Rochester Institute of Technology
• James L. Szalma, Associate Professor, University of Central Florida
• Francis T. Durso, Professor, Georgia Institute of Technology

I look forward to seeing you in Boston.

Reserve Your Seat for the 2012 Mentor-Mentee Luncheons
By Haydee M. Cuevas, Coordinator, Mentor-Mentee Luncheons

In the Society’s continuing commitment to supporting mentoring as a vital and valuable professional service, a series of mentor-mentee luncheons will be held during the 56th Annual Meeting to assist students, early-career professionals, and those in career transition to develop mentoring relationships with established professionals in the field. The luncheons will be held from 12:00 noon to 1:30 p.m. on Tuesday,
Wednesday, and Thursday, October 23–25. Complimentary lunch will be provided to all attendees.

Now in its eighth year, this luncheon series has provided mentoring opportunities for more than 500 HFES members. Previous participants have represented a “who’s who” of some of the Society’s most distinguished members. We expect many such professionals to join us again this year, with different professionals participating each day.

**NEW FOR 2012:** The theme for Wednesday’s luncheon will be user experience, targeting students and professionals interested in design and usability.

To keep the luncheons intimate and informal, attendance will be limited to 25 (20 students or new professionals and 5 mentors) per session. Reservations will be accepted on a first-come, first-served basis, and a waiting list will be established in case of cancellations. RSVP to hmcuevas@earthlink.net as soon as possible, but no later than **October 8** to reserve your place. When responding, please indicate the specific day you wish to attend (Tuesday, Wednesday, or Thursday). Also indicate your affiliation (e.g., university name), field of interest (e.g., aviation, HCI, usability, systems engineering), and projected career path (academia, industry, consulting, government, etc.).

To ensure the success of this initiative, we also need involvement from our most respected and established professionals. Contact me for more information about participating. If you or your organization would like to provide sponsorship support for any of the lunches, please contact Lois Smith at lois@hfes.org.

With your support, this year’s HFES Annual Meeting promises once again to be a rewarding experience for our next generation of human factors/ergonomics professionals!

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**Maynard to Present Arnold M. Small Lecture in Safety**

*By Michael J. Kalsher, Chair, Technical Program Committee Guest Lectures*

The 25th Annual Arnold M. Small Lecture in Safety will be presented by Andrew D. Maynard on Wednesday, October 24, from 1:30 to 3:00 p.m. In his lecture, “From the Nanoscale to the Human Scale: Connecting Nanotechnology and Human Factors,” Maynard will answer the questions “Why have human factors considerations been nearly absent in nanotechnology? Is this because there are no significant connections between nanotechnology and human factors, or is it simply that this area is overdue for exploration?”

Maynard is the Charles and Rita Gelman Risk Science Professor at the University of Michigan School of Public Health and a professor of environmental health. He also directs the University of Michigan Risk Science Center. Andrew is a leading expert on the responsible development and use of emerging technologies and on innovative approaches to addressing emergent risks. He has testified before congressional committees on nanotechnology, has served on National Academy panels, and is a member of the World Economic Forum Global Agenda Council on Emerging Technologies. Widely published in the academic literature, Andrew is also a well-known science communicator and writes regularly for the blog “2020 Science.” He is interested in exploring how integrative approaches to risk can support sustainable
development in an increasingly complex, interconnected, and resource-constrained world.

**Human-Systems Integration Goes Wild!**

Continuing its yearly tradition, the National Academies Board on Human-Systems Integration (BOHSI) will hold a special session at the 56th HFES Annual Meeting. During the panel on Tuesday, October 23, from 1:30–3:30 p.m., entitled “Human-Systems Integration: Human Factors/Ergonomics Gone Wild!” attendees will learn more about BOHSI and how it all started with Abraham Lincoln and some very distinguished and dedicated members of HFES. They will also hear about a sample of projects that BOHSI has led, all centered on human-systems integration issues affecting the nation. Pressing HSI issues that were identified during BOHSI’s recent March 2012 retreat will also be addressed—issues that are sure to keep many faculty members, graduate students, and practitioners of HSI busy for decades to come.

Scheduled speakers at the event include Barbara Wanchisen (National Research Council), Nancy J. Cooke (Arizona State U.), Don B. Chaffin (HFES Fellow), Sara J. Czaja (U. of Miami), Andrew S. Imada (A. S. Imada & Associates), William S. Marras (Ohio State U.), and Richard W. Pew (Raytheon BBN Technologies).

**Early-Career Professionals Reception Offers Networking Opportunities**

After a very successful inaugural session at the 2011 Annual Meeting, the Early-Career Professionals Reception will be offered again during the 56th Annual Meeting in Boston. This event enables young professionals from both industry and academia to network in a social setting. Plan to attend the reception on Wednesday, October 24, from 5:30 to 7:00 p.m. to meet other young professionals and hear about topics of concern to this audience.

**Showcase Your University Lab**

This year’s Annual Meeting will once again feature university laboratories that are conducting work in HF/E research and application. As in the past, lab posters will be showcased as part of the regular technical posters session. The aim of this showcase is to demonstrate the variety of HF/E educational and research programs, not to describe specific research projects. University lab posters may be attended or unattended by lab representatives. There is no proceedings paper associated with lab displays. Each school’s display will measure 8 feet wide by 4 feet high on a single side of a poster board. (Multiple labs from the same institution would share one share of one board.)

Times available for displays are Tuesday, October 23, 3:30–5:00 p.m.; Wednesday, October 24, 8:30–10:00 a.m. and 1:30–3:00 p.m.; and Thursday, October 25, 8:30–10:00 a.m. A maximum of 24 spaces is available.

To reserve space to display your university’s HF/E lab, send a request to Susan Marschner at the HFES Central Office (susan@hfes.org) by August 17 and include the following information:
name of lab and university
name, phone number, and e-mail address of person responsible for the poster
description of the lab
preferred date and time (we will try to accommodate your preference).

Space will be allocated on a first-come, first-served basis. Confirmation and instructions for displaying your lab poster will follow via e-mail in August.

Students: Share a Room and Save!

Student Volunteers Cochair Jo Rain Jardina has set up a student roommate-matching service. If you need to find a roommate, please send Jo an e-mail to hfes.roommate@gmail.com with “HFES Roommate Matching” in the subject line. You will then receive an e-mail with a link to an online form requesting the following information:

- name
- gender
- e-mail address
- phone number
- university you are attending
- dates of attendance
- housing preference (conference hotel, least expensive hotel, etc.)
- maximum number of students per room

This information will be compiled in a master list, updated regularly, and made available only to students interested in the roommate-matching service. Students are responsible for selecting and contacting those who match their preferences and for making their own lodging arrangements.

Daily Newsletter Items Wanted

The HFES 2012 Annual Meeting newsletter, The Patriot Press, is now accepting items for publication on these or any other topic of interest to attendees:

- descriptions of demonstrations or exhibits
- dates and locations for university reunions/gatherings during the Annual Meeting
- features on invited speakers, other special guests, and HFES members
- previews of panels, debates, and unique sessions
- information on student-related sessions and activities
- announcements of new academic programs
- information on Technical Group special sessions and business meetings
- news of upcoming events, conferences, and books of interest to attendees.
We encourage e-mail submissions before the meeting; however, we also welcome submissions from all attendees on site. Please submit dates and locations for university reunions or other meetings as early as possible.

If you would like to submit an article or learn more about how you can become involved with the newsletter, please contact Newsletter Chair Hayley Davison Reynolds at hayley@ll.mit.edu. The Patriot Press also invites exhibitors and any other interested parties to advertise. Contact HFES Managing Editor Cameron Wile at 310/394-1811, cameron@hfes.org, for details.

Support HFES With an Annual Meeting Sponsorship

The HFES 2012 Annual Meeting is an opportunity to promote your organization’s products and services to our attendees. Reserving your sponsorship is easy with our online sponsorship reservation site. Credit card transactions are secure, or pay by check. (If you need a pro-forma invoice, please contact the Annual Meeting Registration Office.)

Increase Your Visibility

All Annual Meeting sponsors receive significant recognition through listings in the following:

- Annual Meeting program
- on-site signage
- on-site daily newsletter

In addition, your organization’s logo and name are included on the sponsors’ page at the HFES Web site, with links to your Web site. Sponsors also receive 10% off the cost of advertising in the daily on-site newsletter, the HFES Bulletin, the Annual Meeting program, and Ergonomics in Design. All advertising opportunities may be viewed on the HFES Annual Meeting Web site.

The following sponsorship opportunities are available.

- Internet Café – $5,000, or two $2,500 sponsorships. Up to two sponsorships are available.
- Coffee & Refreshment Breaks – $2,500. Up to nine sponsorships are available.

If you are interested in sponsoring or cosponsoring the Opening Plenary Session, which takes place on Tuesday, October 23, please contact HFES Executive Director Lynn Strother, 310/394-1811, lynn@hfes.org. The Opening Plenary Session features the keynote address and presidential address. This session, which kicks off the four-day technical program, traditionally attracts up to 1200 attendees.

Focus on Students

The following opportunities support the next generation of HF/E professionals:

- Student Reception – $3,000 single sponsorship or three $1,000 sponsorships. Up to three sponsorships are available.
• Student Lounge – $1,000/day or $5,000/week. Up to five sponsorships are available.
• Mentoring Luncheons – $2,400 or three $800 sponsorships. Up to three sponsorships are available.
• Student Chapter Presidents Luncheon/Business Meeting – $1,000 or two $500 sponsorships. Up to two sponsorships are available.
• Student Career and Professional Development Day Afternoon Break – $1,500 or three $500 sponsorships. Up to three sponsorships are available.
• Early-Career Professionals Reception – $3,000 or three $1,000 sponsorships. Up to three sponsorships are available.

How to Reserve a Sponsorship
Please go to the online reservation site and click the “Register” link at the top of the page (even if you are not booking exhibit space). If you prefer, you may download, complete, and return the Exhibitor/Sponsor Contract. Sponsorships are allocated on a first-come, first-served basis on receipt of payment.

For information, including ideas for sponsorships not included here, please contact Dick Bublitz, 800/485-5029, 818/992-0366, dickbublitz@sbcglobal.net.

Post Jobs and Look for Positions in the 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. 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.

Subscribers to the HFES online Career Center may reserve booths, tables, or both at the On-Site Career Center. For a reservation form, you can download it from the HFES Career Center Web site, or contact HFES by phone or e-mail (310/394-1811, placement@hfes.org) or 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.

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.

Place a Space Request for Special Meetings

Groups that wish to conduct special meetings at the 56th 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 all members and attendees will be listed in the final program, which is distributed at the meeting.

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

INSIDE HFES

Candidates for 2012 Election of Officers and Executive Council Members

The nomination ballots have been recorded and the candidates listed below have agreed to run for office.

President-Elect
Francis T. Durso, Georgia Institute of Technology
Ronald G. Shapiro, Independent Consultant
Michael M. Wogalter, North Carolina State University

Secretary-Treasurer-Elect
Barrett S. Caldwell, Purdue University
S. Camille Peres, University of Houston, Clear Lake
James L. Szalma, University of Central Florida

Executive Council Member At Large
James P. Bliss, Old Dominion University
Sandra K. Garrett, Clemson University
Anand K. Gramopadhye, Clemson University
M. Susan Hallbeck, University of Nebraska, Lincoln
David B. Kaber, North Carolina State University
Douglas A. Wiegmann, University of Wisconsin

For the upcoming election of officers, members will be directed to a secure online site hosted by VoteNet Solutions, Inc., a third-party supplier of election services to professional organizations. VoteNet will also supervise the return of ballots sent via postal mail. The election will open on July 27 and close on August 27.

Voting members who would like to opt out of online voting and receive a paper ballot, but who did not opt out during the nominations process, may call the HFES Central Office at 310/394-1811 or e-mail membership@hfes.org. All voting members should ensure that your e-mail address is current in your member record. Log in at hfes.org to check your record. If you have forgotten your user name and password, please contact the Central Office.

HFES Executive Council Midyear Meeting: A Focus on Innovation and Strategy

Members of the HFES Executive Council, Policy and Planning Committee, Division Chairs, and senior staff gathered at the Westin Boston Waterfront hotel on Saturday and Sunday, May 19 and 20, to review the status of Society operations and
programs, discuss reports and recommendations from committees, divisions, and staff, and make plans for the future.

President Mica R. Endsley chaired the Council meeting, which took place on Saturday morning and all day Sunday. President-Elect Eduardo Salas, chair of the Policy and Planning Committee, conducted a strategic planning session on Saturday afternoon.

During the planning session, Salas encouraged all participants in the meeting to identify strengths, diagnose what needs improvement, position themselves as strategic thinkers, and generate ideas for the Society’s strategic plan. A comprehensive list of steps was generated, and the Council will follow through with ideas for implementation, including changes in behavior and ways of thinking, process improvements, and concrete ideas for new programs in the areas of education, outreach, technology, and support for students, among others.

A full complement of discussions were held during the rest of the meeting and the group, along with members of the 56th Annual Meeting Host Committee (Marc Resnick, chair) toured the Westin Boston Waterfront, which is our site for this year’s Annual Meeting.

President Endsley opened the meeting with highlights of major accomplishments since the previous meeting and an update on interim appointments, which were formalized by the Council through the acceptance of a revised organizational chart which depicts the division structure of Society committees. Leaders from the Society’s Divisions led Council discussion for their respective groups, as follows:

**Council Committees**

Following the president’s report by Mica Endsley, Secretary-Treasurer Valerie J. Rice and Executive Director Lynn Strother presented an overview of the Society’s financial status as well as the unaudited final report of the HFES 2011 budget and a proposed revision to the 2012 budget. Rice reported that the Society is in good financial shape, with a reserve fund of about one year’s operating expenses to carry the Society through shortfalls from unplanned events. As previously reported, dues and annual meeting registration fees have not increased for five years while benefits of membership and programs have been enhanced. A summary of the 2011 and 2012 budgets appears [here](#). Also approved were changes to Society operating rules as presented by the Policy and Planning Committee.

**HFES Institute Division**

Bruce Bradtmiller, chair of the HFES Institute Division, which deals with U.S. and international standards, presented the Council with a strategic plan for that division. The plan includes activities to increase awareness and accessibility of standards and to increase participation by experts in standards development.

Council authorized Daryle Gardner-Bonneau, chair of the U.S. Technical Advisory Group to ISO/TC 159, “Ergonomics,” to indicate the willingness of the TAG to assume the convenorship and secretariat of a new working group charged with the development of a three-part ergonomics process standard; the three parts being targeted to executives, managers, and specialists. This standard has broad support within the TC 159 internationally and within IEA.

Click [here](#) for more information on HFES standards activities.
Internal Affairs Division

Division Chair Jim Bliss presented a request from the Council of Technical Groups to initiate a way for the COTG to award Annual Meeting grants to students. In order for this to be implemented, the Executive Council approved an exception to the general policy in HFES of not funding travel to the Annual Meeting by members of the Society.

Director of Member Services Carlos de Falla reported that Society membership continues to exhibit modest growth, reversing a long-term trend of slow decline in our rolls. The Society has implemented special membership rates for industrially developing countries; applicants from those countries will find these rates displayed when they apply for membership.

Proposals for several new meetings were approved, including the 2013 Health-Care Symposium, March 11 through 13, in Baltimore. Chaired by Tony Andre, the 2013 Symposium is subtitled “Advancing the Cause” and will feature the additional track on HF/E in the operating room. For 2014, Council approved HFES submitting a proposal to IEA to co-locate the HEPS conference with the HFES Health-Care Symposium, and that proposal was submitted to the International Ergonomics Association on June 17. Also approved was a motion to create proposals for a special event on driver distraction, chaired by John Lee and Paul Green, and one on systems safety.

Following up on a prior discussion, the Council considered an Annual Meeting session in which newly elected fellows would talk about their contributions in the field. The Council decided to incorporate such a session at the next possible opportunity; i.e., either this year or next year, depending on logistics.

Council also discussed a possible strategy for interested local chapters to have their finances and membership renewals managed by the HFES staff. Recognizing that chapters have a variety of needs and preferences in this area, Bliss and Chapter Affairs Chair Fred Rudolph are working with Society leadership to develop a plan to ensure that local chapters retain maximum autonomy while adhering to federal and state regulations. The goal is to enable local chapter officers to focus more on chapter programs and services than on administration, thereby maximizing benefits to chapter members. Ultimately, chapters will be presented the choice of incorporating separately and managing their own finances or delegating financial management to the parent organization.

Council also approved a new student chapter at Arizona State University.

Outreach Division

Outreach Division Chair Scott Shappell reported on the outstanding success of HFES’s booth at the USA Science and Engineering Festival, spearheaded by Gary Orr and supported by a team of volunteers from George Mason University and the Potomac Chapter, as well as the Back Straight Boys. The June Bulletin featured an article about the festivities.

Council noted with sadness the passing of former Government Relations Committee Chair and HFES Past President Bill Howell. For many years, Bill provided leadership for HFES’s outreach to Congress and federal agencies; his loss leaves a gap in the Society’s ability to address needs in this area, although we continue to be well represented in such coalitions as the Federation of Associations in Behavioral and Brain Science and the American Association of Engineering Societies. Between now and the annual meeting, HFES will explore new options for outreach in this area; watch the Bulletin for additional details.
During the next few months, the Outreach Division will be exploring ideas for expanding and revitalizing efforts in the Diversity Committee and National Ergonomics Month.

**Professionalism Division**

The Professionalism Division includes the Accreditation, Awards, Education and Training, Fellows Selection, and Webinar Series committees, as well as an overarching committee on Professional Standards. Division Chair Camille Peres reported that, following a self-study by the latter committee (which is mandated on a periodic basis), the division had composed a set of strategic goals, which the Council reviewed. A new model for accreditation has been implemented by the Accreditation Committee (Patricia DeLucia, chair), and iterative testing will be applied for the first two applicants under the new model to ensure the usability and efficiency of the new process.

As a result of the self-study, Council voted to allocate certain functions of the Professional Standards committee to Council itself, and will be dissolving the committee and reassigning most remaining functions to the Professional Standards Division. This aligns with similar organizational realignments in the Scientific Publications and HFES Institute Divisions and eliminates overlap in scope and functions. Council expressed appreciation to Carolyn Sommerich, PSC chair, and other participants in the planning process, for their innovative approach to planning, which will be used as a model for division planning in the future.

**Scientific Publications Division**

Melody Carswell, chair of the Scientific Publications Division, and Lois Smith, Communications Director, reported on the state of the Society’s publications program. Our time to publication for all periodicals (Human Factors, EID, JCEDM, Proceedings) continues to improve, and members are now able to directly connect to the archive of back articles on SAGE Journals Online. According to Carswell, “The high-level priorities of this division include continued growth of the fundamental scientific knowledge that underpins our discipline through the publication of high-quality, peer-reviewed publications. Recognizing that this knowledge base serves a number of different functions and audiences, we also support efforts to translate the information into forms suitable for supporting the immediate work of practitioners, the education of new generations of HF/E researchers and practitioners, and outreach to the general public.” Carswell noted that attracting high-quality submissions for all publications is key, and noted that *Human Factors*, in particular, has seen an increase in submissions, many in response to the Human Factors Prize.

*Ergonomics in Design*, currently celebrating its 20th year of publication, has been redesigned and a new blog launched. Council appointed Carol Stuart-Buttle, editor in chief of *EID*, to a second three-year term.

Lois Smith reported on the Society’s expanded outreach and marketing activities, through our partners at Inside Science TV and internally as spearheaded by Communications Assistant Cara Quinlan. In the last year and a half, the Communications Department has worked on improving the search engine ranking and searchability of the HFES Web site and tracking the results over 6 month periods. The latest statistics show that overall Web site views have increased by 50,000, and approximately 4,000 more unique viewers have visited the site. The Department is currently working on a complete Search Engine Optimization (SEO) revamp of hfes.org to further improve HFES Internet visibility.
In the coming months the division will focus on enhanced tracking and performance metrics for all periodicals as they compare with each other and with competing journals.

**Society Task Forces**

Council received and discussed reports by the following special task forces:

- Impact of Federal Funding on HFES, Ron Shapiro, Chair
- Web Site Redesign, Jeff Kelley, Chair
- Design Competition, Tony Andre, Chair
- Student Support, Kermit Davis, Chair

All task forces are making progress in these important areas and will report to Council at the Annual Meeting with updates.

**Ellen J. Bass Presents July 30 Webinar on Weather Forecaster Decision-Making and Severe Weather Warning Communication**

Registration is now open for the July 30 webinar by Ellen J. Bass, “Weather Forecaster Decision-Making and Severe Weather Warning Communication.” Members can register for the webinar online. The webinar will be held at the following times:

- 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**

In this webinar, Bass will describe the severe weather warning process and highlight how radar data support this process. She will focus on the human factors/ergonomics issues related to radar product interpretation, warning generation, and dissemination. She will describe the limitations of current radar systems and their impact on the warning process and introduce a new paradigm for radar systems technology based on dense networks of low-cost radars. The webinar will highlight (a) potential HF/E implications of the deployment of such systems on weather hazard assessment and warning generation and dissemination, (b) the results of studies investigating the impact of adding these new data to the forecaster decision-making process, and (c) the implications of this new technology on weather forecaster decision-making and severe weather warning communication.

Severe weather threatens lives and property nearly every day. In 2011, tornadoes in the United States caused more than 5,400 fatalities, and tornadoes, high winds, and hail caused as much as $9.4 billion in property damage. Losses from weather hazards can be reduced if the public is given sufficient warning to take protective action. To support the severe weather warning process, the U.S. National Weather Service (NWS) operates weather radars in order to supply data including reflectivity (which relates to precipitation rate) and velocity (which indicates radial wind speed).
Forecasters use information from the radar products to assess weather hazards and make warning decisions.

About the Presenter
Ellen J. Bass has more than 28 years of systems engineering research and development expertise in air transportation, biomedical informatics, health care, process control, and weather-related applications. She is an associate professor in the Department of Systems and Information Engineering at the University of Virginia, where her research involves the development of theories of human performance along with quantitative methodologies and associated experimental designs that can be used to evaluate total system performance in dynamic, complex systems. She has published more than 30 peer-reviewed journal articles, 30+ peer-reviewed conference proceedings papers, and 5 book chapters on various cognitive systems engineering topics.

Before joining the U. of Virginia, Bass worked as a systems engineer at IBM and later as research systems engineer for Search Technology Inc. She is a member of the editorial board for Human Factors and recently co-edited two special issues of the Journal of Cognitive Engineering and Decision Making on the topic of innovations in cognitive engineering and decision making. Bass is an associate editor-in-chief for IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans, a contributing editor of The International Journal of Applied Aviation Studies, and an editorial board member of IIE Transaction on Occupational Ergonomics and Human Factors and IIE Transactions on Healthcare Systems Engineering.

Register Today
HFES webinars are free for members. Nonmember registration is available for $125, and nonmember student registration is just $40. Both nonmember groups can register online. Please bookmark and check the HFES Webinars home page for updates on this and future 2012 webinars!

Member Milestone: Aaron W. Bangor
Texas Governor Rick Perry has reappointed Aaron Bangor to the Governor’s Committee on People With Disabilities. The committee works to ensure that Texans with disabilities may live their lives with integrity, independence, and productivity. Bangor is a principal member of the technical staff at AT&T Labs and a Certified Human Factors Professional. He may be reached at aaron_bangor@labs.att.com.

Other News
OSU Short Course Offered on Putting Ergonomics Into Practice
Ohio State University presents “Putting Ergonomics into Practice” on October 16–19 at OSU’s main campus in Columbus. The course is designed to help participants gain an understanding of ergonomics principles through lectures, case studies, in-class demonstrations, and hands-on exercises. Among other topics covered will be the biomechanical and physiological bases of musculoskeletal disorders and how to
use a variety of ergonomics assessment tools to evaluate work processes. The course brochure includes details and registration information.

**Calendar**

**July 2012**


**August 2012**

25th Annual Occupational Safety and Health Institute University of California Center for Occupational and Environmental Health: Evidence-based Ergonomics in Computer Use, August 2, Oakland, CA, [https://www.coehce.org/CourseStatus.awp?&course=12ERGO802](https://www.coehce.org/CourseStatus.awp?&course=12ERGO802).


**October 2012**


56th Annual Meeting of the Human Factors and Ergonomics Society, October 22-26, 2012, Westin Boston Waterfront Hotel, Boston, MA.
Human Factors and Ergonomics Society
56th Annual Meeting

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
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Bookmark hfes.org for regular updates about:
- Exhibiting your products and services
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October 22–26, 2012
Westin Boston Waterfront
Boston, Massachusetts USA

Photos courtesy of Greater Boston Convention and Visitors Bureau

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Ergonomics in Design: The Quarterly of Human Factors Applications

Editor: Carol Stuart-Buttle,
Stuart-Buttle Ergonomics, USA

Ergonomics in Design: The Quarterly of Human Factors Applications is intended to serve the needs of practicing human factors/ergonomics professionals who are concerned with the usability of products, systems, tools, and environments. It provides up-to-date demonstrations of the importance of HF/E principles in design and implementation. Articles, case studies, anecdotes, debates, and interviews focus on the way in which HF/E research and methods are applied in the design, development, prototyping, test and evaluation, training, and manufacturing processes of a product or system.

Four Reasons to Submit Your Article to this Ground-Breaking Journal Today!

1. **Global Circulation of your Article.** Ergonomics in Design goes to hundreds of libraries all over the world. Your article will get into the hands and minds of a wide community of academics and professionals internationally.

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3. **Online Manuscript Submission.** Ergonomics in Design makes it easy for you to submit and track your article online. Submit your manuscript at
http://mc.manuscriptcentral.com/ergonomicsindesign

4. **Peer Reviewed.** Manuscripts are critically reviewed by the editors, after undergoing at least two blind peer reviews by independent referees from the Editorial Board and other expert resources.

For more details about manuscript submission, visit
http://erg.sagepub.com
Ergonomics & Human Factors 2013 is an annual international conference and a forum for discussion and exchange of ideas and information on the latest research, development and applications in ergonomics and human factors.

The conference will feature more invited plenary speakers than in previous years, and parallel sessions of presentations and workshops. There will be symposia and special topics, an interactive poster and demonstration session, and many opportunities for networking, both formally and socially.

The event will take place over four days, starting at lunchtime on Monday and finishing at lunchtime on Thursday.

It's organised by the Institute of Ergonomics and Human Factors.

Invitation

We invite both academics and practitioners to participate and submit proposals for papers, case studies, short symposia, tutorials, workshops, posters/demonstrations and debates. In a change to previous years, we are not requesting abstracts, you will be asked to submit finished papers and proposals.

Location and venue

The conference takes place in a different location around the UK each year and in 2013 will be held in Robinson College, Cambridge.

The College is situated on Grange Road on the west side of the city. It's a 10 minute walk to the centre of the Cambridge, allowing access to all facilities including punting on the river Cam, and walking ‘the backs’. Robinson college is the newest of the Cambridge Colleges. Further information can be found on their website at www.robinson.cam.ac.uk.

Presentation categories

The technical programme includes a wide range of categories designed to assist in the exchange of information, for example, symposia, paper presentations, streams, posters, demonstrations, workshops, tutorials and debates.

The scope of the conference includes, but is not limited to, the following topics:

- Industrial accidents
- Nuclear industry
- Human Factors Integration
- Education
- Advances in transport
- Training and competence
- Military equipment and defence
- Future technologies
- Healthcare and patient safety
- Work and ageing
- Green issues
- Safety culture
- Systems approach
- Accessibility and usability
- Methods and tools
- Innovation and creativity
- Complex systems control
- Design techniques and approaches

Submission of papers

All papers should be submitted online on the conference website at www.ehf2013.org.uk. Please note that there is no abstract stage, we are just accepting papers, so please bear this in mind when considering the submission date.

Paper submission closes 1st October 2012. Authors will be notified of reviewers’ decisions by 9th November 2012. A provisional programme will be published in November 2012. Final formatted full papers are due by 10th December 2012.

All accepted full papers, short papers and poster papers will be published in 'Contemporary Ergonomics & Human Factors 2013'.

Best Paper Award

Papers recommended by the reviewers will be considered by the Programme Committee for the Best Paper Award and will be highlighted in the programme and proceedings.

Further information

If you have any queries or need further information, please contact Sue Hull, IEHF Conference Manager, telephone +44 1509 234904, email s.hull@ergonomics.org.uk, or visit the conference website at www.ehf2013.org.uk.

www.ehf2013.org.uk