

CONTENTS		NEWS	5
ANNUAL MEETING	1	MEMBER MILESTONES	5
STANDARDS	4	CALENDAR	6

Welcome to San Francisco – The City by the Bay

*By Anthony D. Andre, Host Committee Chair,
& James P. Beno, Host Committee Vice-Chair*

The 2010 Annual Meeting Host Committee welcomes you back to San Francisco and the Northern California Bay Area. This year’s venue is the Hyatt Regency San Francisco, located in the Embarcadero Center. San Francisco is such a geographically compact city that the hotel is but a short cable car ride or moderate walk to almost any of the city’s amazing sites and attractions, such as Chinatown, Pier 39, Lombard Street, Union Square, Fisherman’s Wharf, and more!

Technical Sessions

The Technical Program Committee, headed by Cheryl A. Bolstad, has put together a fantastic schedule of technical sessions, panels, symposia, and poster presentations. The technical content is influenced by the Society’s 23 technical groups and thus represents a broad variety of topics.

Given that our meeting is taking place in the backyard of Silicon Valley, one of the world’s leading high-tech centers, we have arranged a special set of sessions for “Usability and Human-Computer Interaction (HCI) Day” on Wednesday, September 29. Three unique sessions are devoted to various HCI topics, in addition to a reception hosted by the Computer Systems and Internet Technical Groups. Another unique session at this year’s conference will feature several HFES pioneers who were involved in the development of the original NIOSH lifting equation. Finally, the annual President’s Forum, hosted by Past President Paul A. Green, will feature two prominent speakers, who will provide overviews of developments and trends in medical human factors/ergonomics and human performance modeling.



Hyatt Regency San Francisco, Embarcadero Center

This is but a sample of the many unique session formats and topics that this year’s Annual Meeting comprises.

Tours

We have arranged for tours of several top industries and research institutions in the Bay Area:

- *Autodesk Gallery – San Francisco.* Visit the Autodesk Gallery, which celebrates the design process of taking a great idea and turning it into reality. With more than 20 exhibits showcasing the innovative work of Autodesk customers, the gallery illustrates the role that technology plays in great design and engineering. The visit will include a guided tour of the exhibits, many of them interactive, as well as a tour of the San Francisco Autodesk user research lab.
- *Walt Disney Family Museum – San Francisco.* The visually exciting design of the Walt Disney Family Museum illuminates Disney’s groundbreaking technological innovations. He revolutionized animation by enhancing story, character development, and color and by using dimensionality and original music to improve his storytelling. Visitors move chronologically through the exhibits, which include artifacts, listening stations, interactive displays, and more.
- *Google, Inc. – Mountain View.* This tour will showcase some of the facilities and culture that make Google unique, from the high-density work clusters to the massage rooms, replica spaceship, mass transportation system, and one of

Welcome to San Francisco ...

(continued from page 1)

Google's 21 usability labs. The tour will be followed by short presentations and new product demos from the User Experience Research team. After the walking tour, enjoy lively discussions and an included all-you-can-eat lunch at Google's flagship café.

- **NASA Ames Research Center – Mountain View.** Internationally known for its expertise in crew resource management, vision, fatigue countermeasures, human performance modeling, virtual environments, human-computer interaction, display design, and automation, Ames Research Center is the largest human factors research lab within NASA. In addition to the research labs in the Human Systems Integration Division, the tour is expected to include a visit to the FutureFlight Central air traffic control tower simulator, flight simulators in the Crew-Vehicle Systems Research Facility, the Vertical Motion Simulator, and the 20-G Centrifuge.
- **IDEO Product Development – Palo Alto.** IDEO's multidisciplinary teams include specialists in human factors research, business strategy, communications design, industrial design, interaction design, environments design, and engineering. The tour will include a visit to the design labs, a description of IDEO's processes, and a conversation about innovation methods and practices.

These tours offer a variety of experiences, including glimpses of some of the most modern labs in the HF/E and HCI fields. The tours will also provide opportunities to exchange views and network with HF/E professionals at these organizations.

Student Community

Once again we welcome all students to the Student Lounge. The lounge, a concept originally implemented at the 2006 Annual Meeting in San Francisco, is designed to help students network and socialize throughout the event. The lounge will be furnished with comfortable couches, coffee tables, and bulletin boards and there will be music and light refreshments. Students are welcome to stop by to relax, meet other students, and discuss research activities. The bulletin boards can be used to post information such as social outings and carpooling arrangements. The lounge will also host a number of planned discussions, provide a forum for students to present their research ideas, and showcase HFES student chapter information.

Other regular events for students are Student Career and Professional Development Day, which takes place on Monday, September 27, from 9:00 a.m. to 4:30 p.m., and the Student Reception on Tuesday, September 28, at 5:00 p.m. In addition, the technical program includes five Student Forum sessions featuring student work.

Experience San Francisco and the Bay Area

Tourist information is available at the Hyatt Regency, throughout the city, and on the Web. A good place to begin is the San Francisco Convention and Visitors Bureau Web site (<http://www.onlyinsanfrancisco.com>). Other good online sources include SanFrancisco.com (<http://www.sanfrancisco.com/>) and San Francisco Guide (<http://www.sfguide.com/>).

San Francisco is not the only part of the Bay Area that's worth your time to visit. To the immediate north, and via a memorable drive over the Golden Gate Bridge, is the beautiful and serene Wine Country, which includes the Sonoma and Napa Valley wine regions. To the south is Silicon Valley, home of many well-known high-tech companies, and San Jose, the country's tenth-largest city. To the west is the Pacific Ocean and the many famous beach towns that adorn it, such as Half Moon Bay, Santa Cruz, and Monterey/Carmel Valley. And to the east you'll find Oakland, Sacramento (our state's capital), and the stunning natural grandeur of the Lake Tahoe Area. Consider extending your stay beyond the Annual Meeting and making a vacation out of your trip. Special rates at the Hyatt Regency are available from September 24 through October 2.

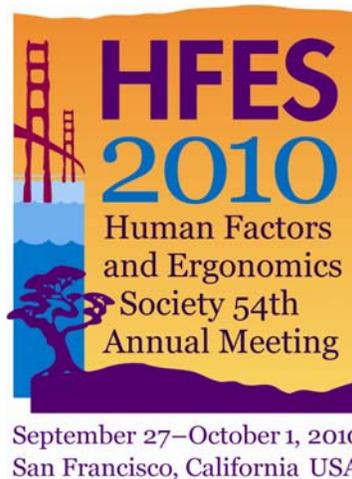
Staying Connected

Annual Meeting news and events will be presented each day in the daily newsletter, *The Cable Car Post*. Consider this your daily guide to interesting activities and people at the meeting. In addition, you can read late-breaking news and share your experiences through [Twitter](#) and [Facebook](#). Follow the meeting on Twitter by searching for "hfes2010," and feel free to tweet using the hashtag "#hfes2010." By following the "#hfes2010" tag on your mobile Twitter client, you can have a real-time dialogue with other attendees and organizers. A Facebook page has also been created – "HFES 2010" – and is linked to the Twitter account. Become a fan of HFES 2010 to stay informed, ask questions, or share your photos and videos from the event.

Join Us!

The real value of attending the HFES 54th Annual Meeting is the unique face-to-face social interaction you will enjoy with your HFES friends, colleagues, and peers. In this era of Web conferences, distance learning, virtual social networking, and avatars, there is simply no replacement for the kind of interpersonal interaction that takes place when we are all gathered together. The HF/E discipline puts great emphasis on the uniquely human aspects of our interaction with the artifacts we use, but perhaps equally important is our interaction with one another (at least once a year!).

We look forward to seeing you at the HFES 54th Annual Meeting and hope your stay is enjoyable, memorable, and educational.



Enjoy San Francisco!

By Steve Marlin, HFES Meeting Planner



Photo courtesy SFCVB

San Francisco, the City by the Bay—one of America's great urban centers—is a city of architectural, cultural, and geographic diversity. Renowned for its chilly summer fog, rolling hills, and Victorian architecture, San Francisco has much to offer, including distinctive landmarks such as the Golden Gate and Bay Bridges, the famous cable cars, Lombard Street, and Alcatraz. Phenomenal restaurants, magical neighborhoods, and no fewer than eight great universities are part of the charm of this great city.

Hyatt Regency San Francisco

Our headquarters hotel, the Hyatt Regency San Francisco, Embarcadero Center, is located in the heart of the financial district. Shop at nearby stores and the rejuvenated Ferry Building. The hotel is within walking distance of Fisherman's Wharf and is steps from Pier 39 and other attractions on the water, such as the ferry to Alcatraz. The rooms are spacious, and most have excellent views, with features such as 32" flat-screen TVs, iPod docking stations, and Hyatt Grand Beds. There is a Regency Club option with a lounge at the top of the hotel and a 24-hour gym. The HFES group rate is \$225 per night, plus taxes, for single or double occupancy. The special rate ends September 3, 2010, so [book your room](#) early!

Mentor-Mentee Luncheons Scheduled

By Haydee M. Cuevas, Mentoring Subcommittee Chair

In the Society's continuing commitment to recognize mentoring as a vital and valuable member benefit, a series of mentor-mentee luncheons will be held during the 54th Annual Meeting to provide students and early-career and transitional professionals with information and opportunities 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 (September 28–30). Complimentary lunch will be provided to all attendees.

Now in their sixth year, these luncheons have provided mentoring opportunities for almost 400 HFES members. Previous participants have represented a "who's who" of some of the Society's most respected members, including past presidents and

officers. We expect many of these professionals to join us again this year, with different professionals participating each day.

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 haydee.cuevas@satechnologies.com by **September 6** to reserve your place. When responding, please indicate the specific day you wish to attend (Tuesday, Wednesday, or Thursday). Also indicate your field of interest (e.g., aviation, HCI, systems engineering) and career path (academia, industry, 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. 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!

Haydee M. Cuevas created the Mentor-Mentee Luncheon program for the 2004 Annual Meeting and has been hosting it ever since. She is a research associate at SA Technologies in Orlando, Florida.

Showcase Your University Lab

This year's Annual Meeting will once again feature university laboratories that are conducting human factors/ergonomics 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 lab's display will measure 8 feet wide by 4 feet high on a single side of a poster board.

Times available for displays are Wednesday, September 28, from 10:30 a.m. to 12:00 noon, and Thursday, September 29, either from 10:30 a.m. to 12:00 noon or from 3:30 to 5:00 p.m. During each session, 8 lab posters can be accommodated (24 total).

To reserve space to display your university's HF/E lab, send a request to lois@hfes.org by **July 23** 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 later in August.

Final Paper Prep Guidelines Online

Instructions for uploading final proceedings papers are now available at [online](#). Included is information on:

- formatting and layout
- page limits
- graphics embedding
- copyright and clearance requirements
- uploading
- presentation time limits
- audiovisual equipment requests
- volunteering
- the Alphonse Chapanis Best Student Paper Award

Please read the final paper preparation guidelines before uploading your proceedings paper at the submission site. You must also update the program database in order to do any/all of the following:

- add, remove, or change the order of authors
- add or change author affiliations
- change your paper's title and/or subtitle
- change your paper's abstract

The deadline for submitting your final paper – plus the signed Copyright Transfer Form – is 11:59 p.m. Pacific Time on **Wednesday, June 30**.

If you have any questions, please feel free to contact the HFES Communications Department at lois@hfes.org or scott@hfes.org.

Take Advantage of 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 2010 Annual Meeting are Monday, September 27, 1:00 to 6:00 p.m.; Tuesday and Wednesday, September 28 and 29, 8:30 a.m. to 6:00 p.m.; and Thursday, September 30, 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, contact HFES by phone (310/394-1811) or e-mail (placement@hfes.org).

Employers are encouraged to [post job openings](#) on the HFES Web site by August 31, 2010. This will provide candidates the time to search the database and give employers time to review résumés and schedule meetings with potential can-

didates. **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.

STANDARDS

Epic Medical Device HF Standard Issued

By *Edmond W. Israelski*

After a long authoring and editing process, the Human Factors Engineering Committee of the Association for the Advancement of Medical Instrumentation (AAMI) has issued a landmark human factors standard for medical devices. The 460-page standard, AAMI HE-75:2009, *Human Factors Engineering—Design of Medical Devices*, is intended to aid medical device manufacturers in incorporating comprehensive user-interface design guidance into critical medical devices by taking advantage of the vast HF/E literature. This encyclopedic standard complements the existing HF/E process standard, AAMI HE-74:2001, *Human Factors Design Process for Medical Devices*, by focusing mostly on design guidance in 25 sections, including areas such as displays, alarms, documentation, hand tools, and mobility.

The almost 10-year effort was spearheaded by Matthew B. Weinger, MD, of Vanderbilt University, the long-time cochair of the HFE Committee. He also led the process standard HE-74, which paved the way for the new standard. With myself as co-chair, Matt worked with a group of more than 25 human factors and industry experts to write, review, and edit this compilation of relevant design advice containing prescriptive design requirements, examples, checklists, and illustrated case studies focused on a wide variety of medical devices. The case studies cover a range of devices, from simple injection devices to IV infusion pumps, patient monitors, and complex anesthesia workstations. The committee was international in its composition and included experts from the medical device manufacturing industry, health care providers, clinicians, and government agency representatives, including the U.S. Food and Drug Administration (FDA). Many volunteer hours and long, intense editing meetings were held to create the standard. Special comprehensive editing was provided by Carl Pantiskas of Draeger Medical, supplemented by professional technical editing.

STANDARDS, cont.

FDA was heavily involved in the creation of the standard, and the agency is expected to formally recognize it, as it has done with the complementary HF/E process standard, HE-74. The new standard has an extensive set of references and a bibliography for users seeking additional detail.

This standard, in the AAMI HFE Committee's view, is not a simple design cookbook; rather, designers should begin with HE-75 for the relevant design principles and then rigorously follow the HF/E process as outlined in HE-74 to ensure good design.

The AAMI HFE Committee also prepared a companion and supplemental textbook, *Handbook of Human Factors in Medical Device Design* (2010), edited by Matthew B. Weinger, Michael E. Wiklund, and Daryle J. Gardner-Bonneau, which is scheduled for publication by CRC Press in June. Its 850+ pages add more material, advice, and case studies to HE-75.

Edmond W. Israelski is human factors program manager at Abbott Laboratories in Abbott Park, Illinois.

Volunteers Sought to Review Human Engineering Standard

By Alan M. Poston, Chair, Human Factors Standardization Interest Group

Within the next several weeks, the U.S. Department of Defense is expected to release an update to MIL-STD-1472, Human Engineering, for review and comment. MIL-STD-1472 establishes general human engineering design criteria for military systems, subsystems, equipment, and facilities. HFES members will have an opportunity to review and provide comments on the updated draft standard.

To that end, HFES is seeking volunteers who may be interested in reviewing the draft or individual chapters and providing comments in order to enhance the quality of the standard. The document is estimated to be between 500 and 600 pages long, and reviewers will have approximately 45 days in which to conduct their reviews. If you are interested in volunteering for this project, contact Alan M. Poston at aposton86@comcast.net.

NEWS

Student Practitioner Award Announced

The Foundation for Professional Ergonomics (FPE) has announced the creation of an award named in memory of Dieter W. Jahns, who in 1990 cofounded the Board of Certification in Professional Ergonomics (BCPE) and also served as its Executive Director. It is in recognition of his leadership and spirit that the FPE has established a scholarship award.

NEWS, cont.

Open to Master's and PhD graduate students in ergonomics and ergonomics-related programs, the Dieter W. Jahns Student Practitioner Award and a prize of \$500 will be presented at the BCPE reception during the HFES 54th Annual Meeting in September in San Francisco. Students who have completed their graduate degrees in the past year are also eligible. Additional information and submission requirements are available [here](#).

MEMBER MILESTONES



Arnold M. Lund, CUXP, director of user experience at Microsoft and HFES Fellow, has been elected to the Association for Computing Machinery Special Interest Group on Computer-Human Interaction (ACM SIGCHI) Academy. Lund was honored for his work with both HFES and SIGCHI, as well as a career spanning both research and practice. He may be reached at alund@microsoft.com.



Christina C. Mendat was recently named research manager in the Boston office of Insight. She will lead research efforts to better understand users, respective interaction patterns, and design opportunities by employing various research methodologies and approaches. She may be reached at cmendat@insightpd.com.

John A. Stern passed away on April 3, 2010. He was a prolific researcher, a gifted teacher, and a mentor to many students. He received his PhD at the University of Illinois in 1953 and spent his academic life at Washington University in St. Louis, Missouri, in the School of Medicine and the Department of Psychology. After becoming a professor emeritus in 2000, he continued his involvement with the university's Behavioral Research Laboratories, where he had been director for 20 years. Stern was one of the founding members of Psychophysiology in Ergonomics (PIE – now a Technical Committee of the International Ergonomics Association) and became its first president. He played a major role in promoting psychophysiology in ergonomics and helped many people begin successful research careers.

Have you received an award or other honor? Changed employment or been promoted? Published a book or been appointed editor of a journal or series? Send your Member Milestone items to HFES Managing Editor Scott MacDonald, scott@hfes.org.

Featured Events



Human Factors and Ergonomics Society 54th Annual Meeting, September 27-October 1, 2010, Hyatt Regency San Francisco, Embarcadero Center, San Francisco, CA.

Human Factors and Ergonomics Society Europe Chapter Annual Conference, October 13-15, 2010, Technische Universität Berlin, Berlin, Germany. Deadline for submission of abstracts: June 11, 2010.

Other Meetings

July 2010

AHFE International 2010 - 3rd International Conference on Applied Human Factors and Ergonomics, July 17-20, Intercontinental Hotel, Miami, FL.

ASNE Undersea Human Systems Integration Symposium 2010, July 27-29, Providence Marriott Downtown, Providence, RI.

August 2010

APCHI & Ergofuture 2010 - Joint International Conference of Asia Pacific Computer Human Interaction and Ergofuture, August 3-5, Sanur Paradise Plaza Hotel and Suites, Denpasar Bali, Indonesia. Contact ergofuture2010@yahoo.com.

ICCM 2010 - 10th International Conference on Cognitive Modeling, August 5-8, Drexel University, Philadelphia, PA.

ECCE 2010 - European Conference on Cognitive Ergonomics, August 25-27, Delft University of Technology, Delft, The Netherlands.

October 2010

BIO.22 - 22nd Biennial of Industrial Design, October 7-11, Architecture Museum of Ljubljana, Ljubljana, Slovenia. Contact the BIO Secretariat at bio@aml.si.

ICOCO 2010 - International Control Room Design Conference, October 25-26, Eurosites Republique, Paris, France.

Sixth Triennial International Aircraft Fire and Cabin Safety Research Conference, October 25-28, Tropicana Casino Resort Brighton and the Boardwalk, Atlantic City, NJ.

November 2010

PPCOE 2010 - 9th Pan-Pacific Conference on Ergonomics, November 7-10, Ambassador Hotel, Kaohsiung City, Taiwan.

48th Annual SAFE Symposium, November 8-10, Town & Country Resort and Convention Center, San Diego, CA. Deadline for submission of abstracts: June 25, 2010.

International Conference on Commercial Driver Health and Wellness, November 8-10, Baltimore, MD, Transportation Research Board.

AutomotiveUI 2010 - 2nd International Conference on Automotive User Interfaces and Interactive Vehicular Applications, November 11-12, Pittsburgh, PA. Deadline for submissions: July 2, 2010.

February 2011

IEEE CogSIMA 2011 - 2011 IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support, February 22-24, Miami Beach Resort, Miami Beach, FL. Deadline for submission of abstracts: August 15, 2010.

April 2011

ODAM 2011 - 10th International Symposium on Human Factors in Organisational Design and Management, April 18-20, Rhodes University, Grahamstown, South Africa. Contact Conference Chair Matthias Goebel m.goebel@ru.ac.za.

July 2011

HCI International 2011 - 14th International Conference on Human-Computer Interaction, July 9-14, Hilton Orlando Bonnet Creek, Orlando, FL.

Bulletin



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