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## Welcome to Central Florida!

*By John S. Barnett, 2005 Host Committee Chair*

The 2005 Host Committee and the HFES University of Central Florida Student Chapter welcome you to Orlando and the Central Florida area. This year's venue is the beautiful Royal Pacific Resort in the heart of the Orlando attractions area. The Royal Pacific is part of the Universal Orlando complex, which includes Universal Citywalk and the Islands of Adventure and Universal Studios theme parks.

Central Florida is more than just theme parks; it includes Orlando proper, with its own nightlife and cultural events, including the many entertainments of Church Street Station; Winter Park, the artistic heart of Central Florida; Research Park, a center for simulation research hosting more than 100 companies; and the University of Central Florida, all within a reasonable ride from the hotel. A little farther afield is the Space Coast and Kennedy Space Center, and the world-famous Daytona Beach, Cocoa Beach, and New Smyrna Beach.

The Host Committee has planned a good mix of technical and leisure tours for your stay here.

We want to provide you with not only interesting technical tours to help increase your professional knowledge but also some unique local experiences that go beyond the standard tourist fare. For those of you who plan to bring your family, we have also included a number of events that families would enjoy.

### Technical Tours

One of the technical tours is sponsored by the First Responder Investigations in Research Simulation and Training Laboratory, which conducts research on the use of human factors/ergonomics design principles in law enforcement. This event begins with technical discussions of human factors issues related to law enforcement and concludes with a ride-along tour with local law enforcement officers.

For those who are aviation-minded, we have tours of Embry-Riddle Aeronautical University and NASA's Kennedy Space Center. Embry-Riddle, one of the country's top aviation and aerospace universities, has a strong human factors program, offering bachelor's and master's degrees. The facilities include aircraft simulators and aviation-based research laboratories, as well as a fleet of 93

instructional aircraft. The tour of NASA's Kennedy Space Center will include the launch and processing facilities for the space shuttle and International Space Station.

We have also planned tours in Central Florida's Research Park, near the University of Central Florida, which is a center for simulation and training research. These include a tour of the U.S. Army's Research Development and Engineering Command's (RDECOM) Technology Development Center and the University of Central Florida's Institute for Simulation and Training (IST). At the RDECOM TDC, the U.S. Army conducts research on new simulation technologies. The tour may well address the nature of



*The Royal Pacific Resort at Universal Orlando offers easy access to shopping, entertainment, and theme parks.*

RDECOM's current work and the status of American military commitments around the world and should include elements of mixed live and virtual simulations, vehicle gunnery simulators, and combat medicine simulators. IST is an internationally recognized research institute that focuses on advancing modeling and simulation technology and increasing our understanding of simulation's role

in training and education. A tour of the facility will cover the three main roles of IST: performing basic and applied simulation research, supporting education in modeling and simulation and related fields, and serving public and private simulation communities.

### Leisure and Social Events

Decades before the theme park boom, Florida attracted travelers to its exciting activities and events. In addition to the various leisure and social tours we are planning for your visit to Orlando, you will also find plenty of opportunities for golfing or exploring nature. If you like being on the water, explore the chains of lakes in the area or take an airboat ride through the cypress trees. If you prefer salt water, the Atlantic Ocean is a short journey away.

Closer to the conference, the Royal Pacific Resort is in the International Drive area (<http://www.internationaldriveorlando.com>), which is the center of Orlando's theme park and attraction district. This area includes Sea World, Discovery Cove, Wet 'n' Wild, WonderWorks, and Walt Disney World, among others. Transportation is easy and inexpensive with the I-RIDE Trolley

*continued on page 2*

## Welcome to Central Florida!

(continued from page 1)

Service. Adults ride for under \$1, and children under 12 ride free with an adult. The nightlife offers entertainment for any taste, including Bob Marley's, Jimmy Buffet's Margaritaville, and the Motown Café.

There is more to do in Central Florida than we could fit into arranged tours, so we will provide a hospitality guide highlighting additional sights and adventures to experience.

### Get Ready to Enjoy Central Florida!


Bring your swimsuit and sunscreen. Even if you don't make it to the beach, pools are everywhere. Sun protection (sunglasses, hat, sunscreen) is a must, particularly if you aren't accustomed to direct sun. The weather will be warm, humid, and mostly sunny, with brief periods of thunderstorms in the afternoon. Air conditioning is available everywhere, so bring a light jacket if you plan to spend time indoors. There are a few places in Central Florida where you can dress up, but casual dress is more the norm.

Tourist information is widely available. A good place to begin is the State of Florida's Visit Florida Web site (<http://www.flausa.com/>). Click on "Destinations" and then on "Orlando/Kissimmee Area." Once you arrive, check out the Host Committee's hospitality guide for local information. Late-breaking news and events will be presented daily in the newsletter, *The Scoop*, so plan to pick one up each day. We hope your stay in our area is both rewarding and enjoyable. Plan to come rested and leave tired!

## Getting to Orlando

By Steve Marlin, HFES Meeting Planner

Welcome to Orlando – a world of theme parks, things to do, and, of course, home of our Host Committee, the Department of Psychology at the University of Central Florida. Orlando's emphasis on tourism makes it an exciting venue for the HFES 49th Annual Meeting. Take time to visit Universal Studios, Universal CityWalk, Sea World, Downtown Disney, and Disneyworld. Even Cape Canaveral, with its fascinating tours and displays, is only an hour away.



# Bulletin

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## Welcome to the South Pacific – Florida Style

The Royal Pacific Resort, our headquarters hotel, is located adjacent to Universal Studios, but when you are on the property itself, you would never know it! The resort is an exotic tropical paradise, with its swaying palm trees, lush landscaping, huge lagoon-style pool, and tranquil orchid court where flowers are always in bloom. The hotel is within walking distance of Universal Studios, Universal Islands of Adventure, and the Universal City Walk entertainment complex with its many restaurants, shops, and clubs. Bring the entire family to this unique and fun-filled destination!

To reserve a room at the special HFES rate, complete the hotel reservation form in your Registration Packet (arriving in your mailbox in early July and available at the HFES Web site, <http://hfes.org>). Mail the form directly to the hotel or call the reservation desk at 888/837-2273. Group rates apply three days before and three days after the 49th Annual Meeting.

Discounted rooms for students are available at the Doubletree Hotel. Reserve by calling 800/222-8733 or 407/351-1000. Rooms are limited, and reservations should be made no later than September 6. Please identify yourself as being with the Human Factors and Ergonomics Society to receive the discounted rate.

We urge you to stay at our headquarters hotel. It's good for you and critical for the Society. (See the article by HFES President Wendy Rogers below.)

### Transportation

All major airlines serve the Orlando International Airport (MCO), including Air Canada, America West, American Airlines, Continental, Delta, Frontier, JetBlue, Northwest, Southwest, United, and US Airways. HFES members are entitled to discounted car rentals from Hertz (800/654-2210 in the U.S and 800/263-0600 outside the U.S. or <http://www.hertz.com>, discount code CDP #1017806) and Alamo (800/354-2322 or <http://www.alamo.com>, discount code 558386, rate code BY, coupon code DH5B). Rental car counters are available near baggage claim at the Orlando Airport. Self-parking at the hotel costs \$7/night. Valet parking is \$14/night, with unlimited ins and outs.

### Ground Transportation

At the Orlando airport, go to the Mears shuttle counters located inside the baggage claim area on Levels 1 and 2 to book a shared ride to the Royal Pacific Resort. Tickets cost \$25 round trip. The shuttle departs from Level 1 every 30 to 40 minutes. No advance reservations are necessary for the shared-ride shuttle from the airport to the hotel. Reservations are necessary for the return, and these can be made at the hotel's concierge desk.

A cab ride from the airport to the hotel costs approximately \$35 (one way). Pickup is on the lower level of the airport outside the baggage claim area. Rental car counters are available near baggage claim.

Plan to join us at the 49th Annual Meeting, and just sit back and relax.

## Orlando...Here We Come!

By Wendy A. Rogers, HFES President

The Executive Council held its midyear meeting in Orlando (see page 4 of this issue for details of that meeting). We met at the

Royal Pacific Resort – site of our annual meeting in September. I am happy to tell you that it is a beautiful location and a wonderful conference hotel.

The Royal Pacific is on the campus of Universal Orlando. Within walking (or water taxi) distance are:

- two theme parks – Universal Studios and Islands of Adventure
- multiple restaurants, including Hard Rock Café, Jimmy Buffett's Margaritaville, Pat O'Brien's, and two of Emeril's restaurants
- other entertainment options include a movie theater, jazz, reggae, rock, Latin music, and dancing
- an entertainment complex at the Universal CityWalk

Please make your reservations to stay at the Royal Pacific Resort. Staying our headquarters hotel will put you at the center of all HFES action. It is also important for HFES that our attendees stay at the hotel with which we have a contract.

HFES selects our conference site about five years in advance, and we must make contractual obligations about the number of rooms that will be used by attendees at the conference. The specific number of rooms we use then determines the rates we pay for food and beverages and the number of meeting rooms we have available to us. If we do not meet our commitment, we must pay a penalty (which can translate into substantial financial costs to the Society). So for your benefit and the benefit of HFES, please reserve your room in the conference hotels.

A form will be available in the Registration Packet, which will be mailed and posted on the HFES Web site in early July.

Please plan to come to Orlando, stay at the headquarters hotel and bring the family. This year's meeting promises to be intellectually stimulating as well as entertaining!

## Showcase Your University Lab at the Annual Meeting

At this year's meeting in Orlando, university laboratories that are conducting human factors/ergonomics (HF/E) research and application will be showcased along with technical posters. The aim of this experimental showcase is to demonstrate the variety of HF/E educational and research programs, not to describe a specific research project.

Displays will be available for viewing from Tuesday, September 27, at 1:30 p.m., through Thursday, September 29, at 5:00 p.m. They may be attended or unattended by lab representatives. There is no proceedings paper associated with lab displays.

If you would like the opportunity to display a 4 × 8-foot poster about your university's HF/E lab, please submit a short description of your display to Lois Smith at the HFES central office (lois@hfes.org, 310/394-1811, fax 310/394-2410). Be sure to include the name and contact information for the person with whom HFES will coordinate to set up the display. Descriptions are due **July 15**, and space will be allocated on a first-come, first-served basis.

## Items Wanted for Daily Newsletter

The HFES 2005 Annual Meeting newsletter, *The Scoop*, is now accepting items for publication during the annual meeting. Topics may include

- Descriptions of demonstrations
- Descriptions of exhibits
- Dates for school reunions / gatherings during the meeting
- Invited speakers
- Previews of panels
- TG special session information
- Upcoming events

We encourage e-mail submissions before the meeting so that your time at the meeting can be spent on other activities; however, we will also welcome submissions from all attendees during the conference. Please submit dates and locations for school 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 Scoop*, please contact one of the newsletter cochairs, Raegan Hoeft (hoeft2@hotmail.com, 407/921-3554) or Sherri Rehfeld (srehfeld@yahoo.com, 407/921-3555). Our mailing address is 3100 Technology Pkwy., Ste. 100, Orlando, FL 32826.

*The Scoop* also invites exhibitors and any other interested parties to advertise in the newsletter during the conference. To reserve an ad, please contact HFES Communications Director Lois Smith at 310/394-1811, lois@hfes.org.

## HFES Placement Service

The HFES Placement Service is the only service of its kind that caters exclusively to human factors/ergonomics professionals, with easy-to-use features for both employers and job seekers.

### Employers

To recruit top human factors/ergonomics professionals, visit our Web site <http://hfes.org> and post a job, search the résumés, or do both. Candidates searching the database can send their résumés directly to your desktop.

### Candidates

This service is free to HFES members! Post your résumé at <http://hfes.org> and search our database of available jobs. If you see a job posting that interests you, you can e-mail your résumé directly to the employer. If you prefer to remain anonymous, the confidential selection protects your identity until you choose to become known to the employer.

### Annual Meeting On-Site Placement Center

In Orlando, the Placement Service will provide an outstanding

opportunity for employers and job seekers to meet in an informal setting or in prearranged interviews.

Employers subscribing to the HFES On-Line Placement Service may reserve space at the On-Site Placement Center for up to four days of interviews.

For more information about the HFES Placement Service, call the Member Services Department at 310/394-1811 or e-mail [carlos@hfes.org](mailto:carlos@hfes.org).

## Annual Meeting Sponsorship Opportunities

The HFES 49th Annual Meeting is an opportunity to promote your organization's products and services. Members are encouraged to pass this information to their employers and other interested parties.

### Increased Visibility

The following sponsorship opportunities are available. Recognition is provided in the pre- and post-meeting issues of the *HFES Bulletin*, the Annual Meeting Program, on-site signage, and the daily newsletter.

### Plenary Session \$5,000

One sponsorship is available. The Opening Plenary Session, Tuesday, September 27, features the keynote address, presidential address, and recognition of HFES awardees and newly elected fellows. The sponsor will be acknowledged from the podium, and signs bearing the sponsor's name and logo will be placed at the door.

### Message Center/E-Mail Stations \$5,000

One sponsorship is available. Simply provide a screensaver with your company logo for display on monitors at the free e-mail stations where attendees go to check their e-mail. This heavily utilized service is an excellent way to increase your visibility. Also includes signage; logo mousepads will be displayed if supplied by the sponsor (6-10 stations).

### Coffee Breaks \$2,500

Eight sponsorships are available. Morning and afternoon coffee and beverage breaks are offered in the exhibit hall and other locations. Signs bearing the sponsor's name and logo will be placed in the area. In addition, the sponsor's representatives are encouraged to meet and greet attendees in the coffee break areas.

### How to Reserve a Sponsorship

If you wish to reserve a sponsorship, please contact Dick Bublitz, 800/485-5029, 818/992-0366; [dick-rcb@juno.com](mailto:dick-rcb@juno.com). **A \$500 deposit is required at the time sponsorships are reserved; the balance is due August 26, 2005.** Sponsorships are allocated on a first-come, first-served basis on receipt of the deposit. Payment is accepted by check (US\$ payable to the Human

Factors and Ergonomics Society), MasterCard, VISA, or American Express.

General meeting support is also welcome. To discuss alternative sponsorship ideas, please contact Carlos de Falla at HFES (310/394-1811, [carlos@hfes.org](mailto:carlos@hfes.org)).

## Aerospace Systems Sessions

By *Frank Durso, ASTG Program Chair*

The Aerospace Systems Technical Group offers several special sessions at the 2005 HFES Annual Meeting. In addition to strong paper sessions, two practice-oriented sessions (one on extreme aviation and one on perception and cognition), 10 papers will be presented with a focus on the practice of human factors.

A special lecture discussion session on detecting conflicts ends with a discussion from Larry Cole, a controller/researcher from the FAA's Human Factors division. There will also be a paper session titled "NeoWickenson Aviation," which recognizes the contributions of Chris Wickens to the science of human factors in aviation as Chris steps down at the University of Illinois. ☒

## EXECUTIVE COUNCIL

## Executive Council Midyear Meeting Report

The HFES Executive Council held its midyear meeting and Long-Range Planning Day at the Royal Pacific Resort at Universal Orlando on April 14-16, 2005. Below is a summary of the discussions and actions taken at that meeting.

### Long-Range Planning Day

Council members covered two topics: HFES technical standards and the annual meeting. A major revision to the Operating Rules of the HFES Institute is in preparation, the purpose of which is to enhance and expand standards and best practices development. The role of the annual meeting was reviewed, and potential improvements (particularly with respect to posters and satellite meetings) were discussed.

### 50th Anniversary

Council members reviewed a list of possible activities for the HFES 50th Anniversary, which will kick off at the 2006 Annual Meeting in San Francisco. The 50th Anniversary Task Force was institutionalized as a new HFES committee and will be solidifying plans in the coming months.

### Chapters

A new student chapter was approved at Clemson University. A

new award was approved to recognize local chapter activities: the Best Local Chapter Award.

**Compensation Survey**

Following on the recommendations of the Salary Survey Task Force, Council approved the distribution of a compensation survey. A representative sample of HFES members has received the survey. Summary results will be published in an upcoming issue of the *HFES Bulletin*.

**Human Factors**

The term of editorship for *Human Factors* was changed from one or more four-year terms to an initial four-year term with the possibility for one or more two-year extensions.

For the second year, additional funds were approved in order to publish larger issues of *Human Factors* and reduce the publication lag for accepted papers. In 2004, the total number of pages increased from the customary 704 to 766.

**Education & Training**

Council approved a proposal by the Education & Training Committee for an educational research project. This project is designed to provide HFES members with educational resources.

**Ergonomics in Design**

Council approved the recommendation to change the *Ergonomics in Design* subtitle to "The Quarterly of Human Factors Applications." The change will take place in the first issue of 2006.

**Membership**

Council approved a recommendation from the Membership Subcouncil to expedite the endorsement process for Student Affiliate applicants. Effective immediately, only one faculty endorser will be required, whether or not the faculty endorser is an HFES member.

Members (Full, Associate, or Affiliate) who return to school may be eligible for Student Affiliate membership if they submit the following information: degree being pursued, expected year of graduation, and document from the registrar indicating full-time status. After obtaining the degree, the member may return to the last category of membership held or return to Transitional Associate status for one year. Members with a full-time job or who are not full-time students are no longer eligible for Student Affiliate membership.

New members and changes of status were approved as follows: 133 Full Members, 31 Associates, 25 Affiliates, and 200 Student Affiliates; 179 Associate to Full Member, 86 Transitional Associate 1 to Associate, 1 Transitional Associate 1 to Full Member, 31 Transitional Associate 2 to Associate, 18 Transitional Associate 2 to Full Member, 6 Affiliate to Associate, 70 Affiliate to Full Member, 8 Member to Emeritus Member, 3 Student Affiliate to Associate, 52 Student Affiliate to Transitional Associate 1, and 1 Student Affiliate to Full Member.

**Outreach**

The Society will once again work with the Federation of Behav-

ioral, Psychological, and Cognitive Sciences on a cosponsored science forum or briefing on a human factors/ergonomics topic. Council approved homeland security as the topic of this year's event. Details will be published in an upcoming issue of the *HFES Bulletin*.

**Publications Survey**

To gauge members' needs, the Communications and Publications Subcouncil will carry out a publications survey in the fall. All members will be invited to respond. Results will assist the subcouncil in ensuring that the publications are meeting members' needs and delivery preferences.

**Technical Standards**

The HFES 200 draft standard, *Human Factors Engineering of Software User Interfaces*, was approved for the American National Standards Institute canvass review.

**Revised 2005 Budget**


*Income*

Membership Dues . . . . .	\$637,500
Membership Services . . . . .	53,050
Communications/Publications . . . . .	410,450
Annual Meeting . . . . .	255,091
HFES Institute . . . . .	20,500
Miscellaneous . . . . .	14,750
<b>Total estimated income . . . . .</b>	<b>\$1,391,341</b>

*Expenses*

Member Services . . . . .	\$ 86,593
Communications/Publications . . . . .	399,191
General and Administrative . . . . .	662,216
HFES Institute . . . . .	40,715
Committees, Officers . . . . .	99,725
Annual Meeting . . . . .	84,000
Interorganizational . . . . .	18,901
<b>Total estimated expenses . . . . .</b>	<b>\$1,391,341</b>
<b>Estimated Surplus . . . . .</b>	<b>\$ 0</b>





**Plan to Attend!**

**HFES 49th  
Annual Meeting**

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**Orlando, Florida  
September 26–30, 2005**

## Studies in Simulations & Synthetic Environments Track

HFES's new *Journal of Cognitive Engineering and Decision Making (JCEDM)* provides an exciting outlet for scholarly research conducted in the context of simulations and synthetic environments. The Simulations & Synthetic Environments (SS&SE) track of the journal emphasizes cognitive engineering and decision making research involving cognitively rich simulations and work with individual experts or teams. Research with lower-fidelity, computer-based simulations or Internet-based simulation studies is also appropriate for this track.

Types of research and areas of study considered for publication through the SS&SE track include

- development of new CEDM research tools, including synthetic environments that may be used in various directions of research;
- development of new cognitive engineering and decision making (CEDM) methods for simulation-based studies in real working environments and laboratory settings, including the adaptation of existing research methods;
- design of interactive simulation systems (e.g., high-fidelity flight simulations, PC-based human-in-the-loop simulations) for CEDM research and specific interaction techniques;
- results from field studies involving the use of simulations and task experts (findings, guidelines, etc.);
- results from lab studies (findings, methods, etc.); and
- theory on CEDM studies in simulations and synthetic environments and modeling of humans and systems.

The track editor seeks manuscripts presenting design or development efforts that provide clear rationale for design decisions and systematic executions of the stages of design or development. The outcomes of such research should be directly linked to specific CEDM research needs and demonstrate how new simulations or synthetic environments will advance CEDM research.

The SS&SE track editor also seeks reports of empirical studies investigating concise sets of CEDM hypotheses motivating specific experimental manipulations. Results of any experiments should be linked to existing CEDM theories through detailed discussion.

Finally, theory, research, and modeling manuscripts are sought to summarize corpuses of simulation or synthetic environment-based studies in areas of CEDM research. New theory and modeling results must be given a pedigree in existing related theories. Manuscripts of this nature must provide at least one detailed example of how the new theory may serve to identify underlying factors in CEDM research problems or explain human information processing in the context of interaction with complex systems.

Papers from the SS&SE track may appear in every issue of the new journal. Submissions have already been reviewed for the inaugural issue of the journal, and the track editor extends an open invitation to the HFES membership for submissions to the second issue as well as all future issues.

For more information about the SS&SE track of the *Journal of Cognitive Engineering and Decision Making*, contact track Editor

David B. Kaber at [dbkaber@ncsu.edu](mailto:dbkaber@ncsu.edu). The SS&SE track associate editors are Stephanie Guerlain and Kathleen Mosier. All manuscripts should be submitted electronically to Editor in Chief Mica R. Endsley at [cedm.journal@satechnologies.com](mailto:cedm.journal@satechnologies.com).

Information about the other two tracks of the *Journal of Cognitive Engineering and Decision Making* can be found in previous issues of the *HFES Bulletin*. The call for the Cognition in Context track appeared in the April issue, and the call for the Design of Cognitive Systems track was featured in the May issue. Cognition in Context track Editor Robert R. Hoffman may be reached at [rhoffman@ihmc.us](mailto:rhoffman@ihmc.us). David D. Woods, editor of the Design of Cognitive Systems track, may be contacted at [woods.2@osu.edu](mailto:woods.2@osu.edu).



### STUDENT VIEWS

## 2005 NEM Best Action Plan Contest

By Haydee M. Cuevas, NEM Committee Cochair

Observed every October, National Ergonomics Month (NEM) is targeted at promoting the human factors/ergonomics discipline. (More information about the purpose of NEM may be found at the NEM Web site, <http://hfesnem.org>.) The focus this year is school and community outreach.

Active student involvement is vital to the success of NEM 2005, and the NEM Committee encourages students and student chapters to create a plan of action to promote NEM when classes start in the fall and in particular, during October. The best individual and student chapter ideas will be recognized at the HFES 49th Annual Meeting in Orlando in September. Examples of action plan ideas may be found in past issues of the *HFES Bulletin* (August 2003, pp. 6-7; September 2003, p. 6; April 2004, pp. 2-3), available on the HFES Web site.

To enter the 2005 NEM Best Action Plan Contest, please include the following information in a Microsoft Word file and send it as an e-mail attachment to me at [haydee.cuevas@satechnologies.com](mailto:haydee.cuevas@satechnologies.com). The submission deadline is August 22, 2005.

- Proposer's name(s), address, e-mail, and daytime phone number.
- If the entry is on behalf of an official student chapter, please specify the chapter's name.
- Names of other students and professionals (if any) participating in organizing or implementing your action plan.
- Title of your action plan.
- 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. For example, what do you seek to accomplish? What audience(s) (e.g., community, students, corporations) are you targeting?



## Draft Standard on Software User Interfaces Released

The Human Factors and Ergonomics Society will release documents as part of the ANSI/HFES 200 project, *Human Factors Engineering of Software User Interfaces*, to a canvass list that is currently being defined. HFES plans to release all five parts of HFES 200 in the second quarter of 2005 to a canvass committee formed under the essential requirements procedures of ANSI.

The objective of the HFES 200 standard is to provide design requirements and recommendations that will increase the accessibility, learnability, and ease of use of software. The ultimate beneficiaries of HFES 200 are the end users of software. The application of this standard is intended to provide user interfaces that are more usable, accessible, and consistent and that enable greater productivity and satisfaction.

*Human Factors Engineering of Software User Interfaces* consists of five parts: HFES200.1: Introduction, HFES200.2: Accessibility, HFES200.3: Interaction Techniques, HFES200.4: Interactive Voice Response, and HFES200.5: Visual Presentation and Use of Color.

Part 1 provides an overview on the content of the HFES 200 parts, explains relationships among the individual parts, and provides guidance on the relevance of individual parts to the development process, so that designers may understand where and when to use the parts.

Part 2 provides recommendations on features and functions of computer operating systems, drivers, application services, other software layers on which applications depend, and applications that increase the accessibility of applications for users with disabilities. Hardware is not specifically addressed by any recommendations, but many hardware assistive devices may utilize recommended functions that are provided by operations system and application software. Part 2 has been extensively harmonized with the ISO 9241-171 Software Accessibility Committee Draft released in the first quarter of 2005.

Part 3 incorporates material from the International Standards Organization (ISO) 9241 Parts 13 through 17 and is compatible with those ISO standards.

Part 4 consists of completely new material that has not appeared in ISO 9241 standards.

Part 5 incorporates material from ISO 9241 Part 12 and includes new recommendations on the use of color.

The HFES 200 Committee is seeking qualified technical experts to contribute to the specification of design requirements and address comments as part of the ANSI consensus-building process. Please contact HFES 200 Committee Chair Paul Reed at [hfes200@hfes.org](mailto:hfes200@hfes.org) for further information about joining the committee as a permanent member.

To request participation in the canvass for HFES 200, please contact HFES Executive Director Lynn Strother, P.O. Box 1369, Santa Monica, CA 90406-1369, 310/394 1811, fax 310/394 2410. Please use your company letterhead and explain how you are materially affected or directly affected by this potential national standard. ☒

## 2005 HFES Election

This year's nomination ballots have been tallied, and the following candidates have agreed to run for office. Ballots are now being mailed to all Members and Fellows in good standing. Check your ballot for voting deadline information.

### President-Elect

- John F. "Jeff" Kelley, SA Technologies, Marietta, GA
- Waldemar Karwowski, University of Louisville, Louisville, KY
- Michael James Smith, University of Wisconsin, Madison, WI

### Secretary-Treasurer-Elect

- Kevin B. Bennett, Wright State University, Dayton, OH
- D. Kristen Gilbert, University of Montevallo, Montevallo, AL
- William S. Marras, Ohio State University, Columbus, OH

### Executive Council Member-at-Large

- Andrew S. Imada, AS Imada and Associates, Carmichael, CA
- Mark M. Brauer, Amencie Consultants, Corpus Christi, TX
- Donald L. Lassiter, Methodist College, Fayetteville, NC
- Arnold M. Lund, Microsoft Corporation, Seattle, WA
- Patrick E. Patterson, Iowa State University, Ames, IA
- Brian Peacock, Embry-Riddle Aeronautical University, Prescott, AZ (as of August 2005) ☒

# Bulletin

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Student Views Editor: Melanie Diez  
Communications Director: Lois Smith  
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Opinions expressed in BULLETIN articles are those of the authors and should not be considered as expressions of official policy by the Human Factors and Ergonomics Society.

## FLASH!

### Human Factors On-Line Move

The *Human Factors* journal is no longer available on line at the Extenza Web site. The journal has moved to a new home at the IngentaConnect Web site, <http://www.ingentaconnect.com/content/hfes/hf>.

### Plan To Attend the 2005 HFES Annual Meeting

The deadline for early registration for the 2005 HFES Annual Meeting in Orlando is August 26.

### Annual Meeting Updates

Exhibitor information for the 2005 HFES Annual Meeting is available at [hfes.org](http://hfes.org).



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