



INSIDE HFES

Newly Elected HFES Officers

HFES is pleased to announce the results of the 2014 election and congratulates the following newly elected officers and Executive Council members. Their terms will begin at the 2014 HFES Annual Meeting in Chicago.

President-Elect

William S. Marras, The Ohio State University

Secretary-Treasurer-Elect

Robert G. Radwin, University of Wisconsin, Madison

At-Large Executive Council Members

Ann M. Bisantz, University at Buffalo, State University of New York

Raja Parasuraman, George Mason University

Student Design Competition – Mobile Health Apps

HFES invites all students to participate in the “Mobile Health Applications for Consumers” Design Competition in conjunction with the 2015 International Symposium on Human Factors and Ergonomics in Health Care: Improving the Outcomes. The symposium takes place April 26–29, 2015, at the Baltimore Marriott Waterfront Hotel in Baltimore, Maryland.

The objectives of the competition are to showcase:

- the application of HF/E methods and design principles into the concept and design of a mobile health smartphone application for consumers; and
- how the HF/E approach to such an application can lead to a useful, usable, and satisfying user experience while simultaneously improving patient outcomes such as knowledge, safety, or adherence.

Three finalists will be selected to present their designs on Monday, April 27, during the symposium. One presenter from each of the final teams will receive a free symposium registration. The winner will be announced during the Monday poster reception and will receive a \$1,000 honorarium. All contestants must commit that at least one team representative will attend and present at the symposium if selected as a top-three finalist.

Notice to participate in the competition must be submitted by **September 30, 2014**. Final entries will be accepted between November 1, 2014, and February 2, 2015. For additional details and to download the participation form, click [here](#).

Dekker Webinar Recording Now Available

Sidney Dekker presented a thought-provoking webinar on September 2, and the recording is now available to members via login at hfes.org. Dekker noted in “The Human Factor: A Problem to Control or a Resource to Harness?” that human factors was once founded on the idea that systems are built to adapt to the specifics of human performance rather than fitting people to the fixed features of systems. In many industries, however, safety interventions still (or increasingly) target the behavior of individual operators so that they comply with what others think is the best method to work. Meanwhile, system design issues may be left unaddressed.

Dekker began the webinar with a review of some of the history of human factors and safety thinking from early-20th-century behaviorism to late-1980s ideas about precursors. He then posed the question: Do we see people essentially as a problem to control, or as a resource to harness? If we choose the latter, we would see safety not as the absence of errors, violations, incidents, or other negative events, but as the presence of our people's positive capacities, capabilities, and competencies to make things go right—despite the rules, the organization, technological glitches, resource constraints, and multiple goal conflicts.

If you were unable to attend the webinar, a full recording along with slides and related articles are available by logging in at hfes.org with your member username and password, then select the “Download webinar recordings” link under the heading “Access Member Benefits.”

ANNUAL MEETING

Travel Discounts for Annual Meeting



Attendees of the 2014 HFES Annual Meeting are invited to enjoy discounted rates from Amtrak and GO Airport Express.

Travel to Chicago by train and receive a 10% discount off the lowest available Amtrak fare between October 22 and November 4. The offer is valid with Sleepers, Business Class, or First Class seats. To book your reservation, call Amtrak at 1-800/872-7245 and refer to Convention Fare Code X91S-906. For additional information, download the flyer at <https://www.hfes.org/Web/HFESMeetings/Amtrak.pdf>.

If you will be arriving at one of Chicago's airports for the meeting, GO Airport Express is offering a 10% discount on shuttle service. Shuttles depart every 15 minutes for downtown Chicago and surrounding areas. Call 1-800/284-3826 or 773/247-1200 and mention “ERGO,” or reserve online at <http://airportexpress.hudsonltd.net/res?USERIDENTRY=ERGO&LOGON=GO>.

New Demo Schedule for 2014

To enable as many attendees as possible to view the demonstrations, this year each demo will be allocated a specific, dedicated time block during the two Interactive Posters & Demos sessions at the Annual Meeting. Both sessions will be held in the Exhibit Hall.

For each session, please note the times below for each demo presentation:

POS1 - Tuesday, 3:30–5:00 p.m.

- 3:30–3:50 1. The Generalized Intelligent Framework for Tutoring (GIFT) as a Tool for Human Factors Professionals, Anne Sinatra & Benjamin Goldberg
- 4:00–4:20 2. Tactile Situation Awareness System (TSAS) as a Compensatory Aid for Sensory Loss, Chris Brill et al.

- 4:40–5:00 3. Using Impairment Simulation Tools to Demonstrate Age-related Challenges in Everyday Tasks and Promote Universal Design, Marita O'Brien et al.

POS2 - Thursday, 1:30–3:00 p.m.

- 1:30–1:45 1. Unmanned Vehicle Control HCI for Amphibious Operations, Michael McWilliams & Glenn Osga
- 1:55–2:10 2. VEILS: An Ecological Interface for Computer Network Defense, Kevin Bennett
- 2:20–2:35 3. Demonstration and Evaluation of an Eyes-Free Mobile Navigation System, Victor Finomore et al.
- 2:45–3:00 4. USee: A Mobile Usability Research Tool Using Google Glass, Jibo He et al.

Get Ready for the 2014 On-Site Career Center

Whether you're an employer looking for highly qualified individuals with relevant expertise for your open positions, or a member seeking a job, take advantage of the On-Site Career Center in Chicago during the 2014 Annual Meeting. Post your job or enter your résumé so it is current during the Annual Meeting.

Job Seekers

Only HFES members can post résumés. The Career Center offers the following benefits:

- View job postings, or browse or search by employer, location, job category, and/or title.
- Post your résumé, search the jobs, and apply when it's convenient for you.
- Keep your résumé and search confidential if you prefer.
- Receive alerts when new jobs are posted that match your preferred profile.

Jobs are posted in four employment sectors: academia, consulting, government, and industry. To post a résumé, log in at hfes.org with your username and password and go to the Career Center navigation bar.

Employers

Career Center benefits for employers include the following:

- Quickly review résumés specific to your sector and job requirements. Target your search by narrowing key criteria.
- Receive automatic "Résumé Search Agent" e-mails when new job seekers enter résumés matching your criteria.
- Get instant notifications when a candidate applies for your position.
- Easily manage multiple job postings.
- Obtain job activity reports to be sure you're getting the best results.

At this time, more than 500 résumés are in the candidate database. Packages for employers include résumé search only or résumé search plus job posting for different periods.

Reserve an interview booth or table by completing the [form](#). Interview space is allocated on a first come, first served basis.

Career Center Data

Below are some Career Center usage statistics in the last four years:

- Jobs were viewed by candidates an average of 327 times.
- An average of 10 applications were submitted for each job posted.
- 61% of candidates applied for a job.
- Résumés have been posted by candidates in 44 U.S. states.
- About 30% of candidates have a doctorate degree, 55% have a master's degree, and 15% have a four-year degree.

STANDARDS UPDATE

ISO/TC 159 Standards Update for September

By Daryle Gardner-Bonneau, Chair, U.S. TAG to ISO/TC159

The items presented in this article concern news relevant to ISO/TC 159 standards activities and include upcoming meetings, newly published standards, new standardization projects, and draft standards currently being balloted.

Except for newly published standards, titles of standards are abbreviated in this listing, but you can obtain the complete title for any standard by visiting the HFES [Standards Web page](#) and then clicking on the Subcommittee (SC) Technical Advisory Group (TAG) that is involved with the standard in which you're interested. Clicking that link will display a graphic of the SC's structure and a listing of all the projects and standards of that subcommittee. You can also purchase standards and search full titles and abstracts by going to the [ANSI Store](#) or the [ISO Store](#) and searching by the document's number (e.g., ISO 24504).

The contacts whose e-mail addresses are provided below (i.e., Daryle Gardner-Bonneau, Robert Fox, and James Williams) welcome your inquiries and your participation in these activities.

The listings use the following ISO abbreviations:

TC = Technical Committee

SC = Subcommittee

WG = Working Group

CD = Committee Draft

DIS = Draft International Standard

FDIS = Final Draft International Standard

TR = Technical Report

NWIP = New Work Item Proposal

PAS = Publically Available Specification

New Projects

(Items new this month are preceded by *)**

SC1 – NWIP ISO 27500 – The human-centered organization: general principles – comments and vote on the CD due **September 20, 2014**. Contact JDNBonneau@charter.net.

SC1 – NWIP ISO 27501 – The human-centered organization: management of ergonomic processes – comments and vote due **September 20, 2014**. Contact JDNBonneau@charter.net.

***SC3 – Revision of ISO 14738 – Safety of Machinery – Anthropometric requirements for the design of machinery workstations (joint writing group formed from the manual handling and anthropometry working groups to do this work). Contact robert.r.fox@gm.com.

***SC3 – Extension of ISO 11228 series of standards to manual agricultural work (see related HFES Bulletin article in the August issue). Contact robert.r.fox@gm.com.

SC4 – ISO 9241-332 – Autostereoscopic displays. Contact ergojim@earthlink.net.

SC4 – New work item proposal on accessibility of doors/handles of electronic home appliances – comments and votes due **September 9, 2014**. Contact ergojim@earthlink.net.

Draft Documents Released for Comment and Vote

***SC3 – ISO/DIS 20685-2 – 3D scanning methodologies – Evaluation protocols of surface shape and repeatability of relative landmark positions; due **January 1, 2015**. Contact robert.r.fox@gm.com.

SC4 and SC5 – ISO DIS 24505 – Method of color combination taking into account age-related changes in color vision; due **October 7, 2014**. Contact ergojim@earthlink.net or JDNBonneau@charter.net.

Upcoming Meetings

Standard/Group	Date	Location/Description	Contact
***TC159/SC4 WG6	October 2–4 Web Ex half-day meetings	Work on finalizing 9241-11 (guidance on usability) revision, after which it will be sent out for vote	JDNBonneau@charter.net
TC159/SC4/WG28	October	Gaithersburg, MD – continuing work on the Systems and Software Quality Requirements and Evaluation (SQUARE) standards series	ergojim@earthlink.net
TC159/SC4/WG5	October 8–10	Venice, Italy – to resolve comments on ISO 9241-161 (user interface elements) and development of ISO 9241-112 (general guidance on presentation of information) and ISO 9241-125 (visual presentation of information)	ergojim@earthlink.net
TC159/SC1/WG2	October 16–17	Berlin, Germany – to begin work on the revision of ISO 10075-1 on mental workload	JDNBonneau@charter.net
TC159/SC1/WG5	October 30-31 (at the HFES)	Chicago, IL – to process comments on, and continue development of, ISO	JDNBonneau@charter.net

	Annual Meeting Site)	27500 and 27501 (ergonomic process standards)	
***TC159/SC4/WG6	November 24–26 Web Ex half-day meetings	Work on finalizing ISO 9241-220 (human-centered design process), after which it will be sent out for vote	JDNBonneau@charter.net

PUBLIC POLICY MATTERS

Update on Federal and Congressional Activities

By Lewis-Burke Associates LLC

Both the end of the fiscal year and the midterm elections limit the legislative agenda in Congress through the fall. As reported below, Congress’ first priority is passing a continuing resolution (CR) to fund the federal government into the new fiscal year, prior to October 1. Lewis-Burke’s Update on Federal and Congressional Activities further explains the CR negotiations and implications, as well as provides additional information on the progress of the America COMPETES Act (COMPETES) reauthorization and the Office of the National Coordinator for Health IT’s (ONC) Nationwide Interoperability Roadmap for Health Information Technology.

Congress Gears Up for a Continuing Resolution to Fund the Government Into FY 2015

The U.S. Congress left for the August recess without passing a single fiscal year (FY) 2015 appropriations bill. Congress has a limited number of days to reach agreement on a continuing resolution to fund the federal government into the new fiscal year, which begins October 1. Although neither the House nor the Senate anticipates a government shutdown, consideration of the CR is likely to be complicated by the significant divide between the House and Senate over the president’s request for emergency supplemental appropriations to address the immigration crisis at the southern border. This supplemental is likely to be part of the negotiations on, and attached to, the CR.

Thus far, the House of Representatives has passed its versions of 7 of the 12 annual appropriations bills; the Senate has not passed any of its bills. With Congress planning to leave again for the month of October to campaign in advance of the November midterm elections, a CR will be needed to continue operations of the government until Congress returns for a “lame duck” session following the elections. Recent statements from congressional leaders, including House Speaker John Boehner (R-OH), suggest that the CR will continue federal funding into December to enable Congress to return after the elections and chart the path forward. That path could include negotiations on an omnibus appropriations bill to provide federal agencies with a full-year budget similar to the FY 2014 Consolidated Appropriations Act, an extension of the CR for a full year, or an extension of the CR into next year, when a new Congress is sworn in and can revisit the bills.

If the past is any guide, Congress is likely to consider a short-term CR that funds programs at the FY 2014 enacted (or current) level. Even if the top-line funding allocations are at the FY 2014 level, federal agencies have some discretion in how they administer a CR. Some may allocate funding at about 90% of the usual rate, and agencies may also consider funding programs at the lower of the president’s FY 2015 budget request, the House bill, the Senate bill, or the FY 2014 enacted level. With the uncertainty surrounding the upcoming elections and particularly the outcome of the Senate races, federal agencies are likely to be restrictive in allocating funding –

albeit for a short time – until Congress decides how to complete the FY 2015 appropriations process.

A final appropriations endgame will depend on the political climate resulting from the mid-terms. Many theories exist as to what various outcomes could mean for legislating during the lame duck session, but a status quo result whereby Republicans hold the House and Democrats maintain their Senate majority is the scenario most likely to allow for an omnibus bill. The outlook for the lame duck session would become more uncertain if Republicans net the six seats necessary to take control of the Senate.

Lewis-Burke advises researchers with federal grants to contact their agency program managers to discuss how current awards will be managed under a CR.

Status of COMPETES Reauthorization

As Lewis-Burke has reported throughout the year, both the House and Senate are attempting to reauthorize the America COMPETES Act, which originally passed in 2007 in response to the National Academies' *Rising Above the Gathering Storm* report. The original legislation authorized doubling the funding for the National Science Foundation (NSF), the Department of Energy's (DOE) Office of Science, and the National Institute of Standards and Technology (NIST). COMPETES was last reauthorized for FY 2011 through 2013, resulting in its expiration on September 30, 2013.

Although the House Science, Space, and Technology (HSST) Committee held a hearing and marked up its version of COMPETES, the Frontiers in Innovative Research, Science, and Technology (FIRST) Act, the controversial legislation has not made it to the floor for a vote. HSST had also planned to move a separate DOE bill, but the bill has not been able to move past the subcommittee level. Not able to advance these larger bills, the House passed several smaller bills that were similar to a few noncontroversial provisions in the FIRST Act and the House Democratic version of COMPETES.

Meanwhile, the Senate introduced its version of the COMPETES reauthorization bill, S. 2757, on July 31. Although this bill includes much higher authorization levels and is far less controversial than the House FIRST Act, it is unclear exactly when the Senate Commerce, Science, and Transportation Committee will mark up the legislation, let alone when the legislation would be considered by the full Senate.

Given the few remaining legislative days on the calendar, the uncertainty of Senate action, and the fact that the House has yet to vote on the FIRST Act, it is increasingly likely that a complete COMPETES reauthorization will have to wait until next year and a new Congress. However, there is some speculation that both chambers could move on the noncontroversial provisions and pass them into law.

The full Lewis-Burke report on the status of the COMPETES reauthorization is available [here](#). It includes short summaries of the Senate COMPETES bill, the most recent Senate COMPETES hearing, and the noncontroversial bills passed in the House.

ONC Seeks Input on the Nationwide Interoperability Roadmap for Health Information Technology

The Office of the National Coordinator for Health IT launched an “[interactive community](#),” which solicits public input for the Nationwide Interoperability Roadmap to help achieve the milestones outlined in the framework on “Connecting Health and Care for the Nation: A 10-Year Vision to Achieve an Interoperable Health IT Infrastructure.”

On June 5, ONC released the framework and underscored stakeholder engagement as a priority in building this roadmap. Through the framework, ONC renewed its commitment to providing more effective care, improving health of the population, and lowering costs through an

interoperable health IT infrastructure. The agenda outlines near- and long-term goals to achieve interoperability in 3-, 6-, and 10-year increments.

Through the solicitation, ONC poses specific questions to which to respond, offering the opportunity to influence ONC's activities in interoperability. The deadline to comment is September 12.

The full Lewis-Burke report on the framework is available [here](#).

Policy Updates and Funding Opportunities

Below are links to Lewis-Burke's reports on policy updates and funding opportunities relevant to HF/E.

Agency Update:

- [Senate Confirmation Hearing on Nomination of Elizabeth Sherwood-Randall to be Deputy Secretary of the Department of Energy](#) – August 14

Funding Opportunities:

- [NSF Releases Solicitation for Science and Technology Centers \(STC\) Competition](#) – August 14
- [NASA Announces Next Phase of CubeSat Launch Initiative](#) – August 7

Lewis-Burke Associates LLC, a leading Washington, D.C.-based government relations and consulting firm, represents the public policy interests of scientific societies and institutions of higher education. Lewis-Burke's staff of about 20 government relations professionals work to promote the federal research and policy goals of HFES and the HF/E community.

OTHER NEWS

CogSIMA 2015 Call for Papers

The 2015 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA 2015) is accepting tutorials and high-quality unpublished papers in oral and poster session tracks on a variety of [topics](#). Now in its 10th year, the conference will take place March 9–12, 2015, in Orlando, Florida. It will provide a venue for researchers in academia, industry, and government for presenting interdisciplinary research and applications results on complex dynamic systems that include humans, machines, and computer agents whose collective behavior depends on situations. Proposals are due **October 13, 2014**. Visit <http://www.cogsima2015.org> for more information.

Featured Events

[HFES 2014 Annual Meeting](#), October 27–31, 2014, Hyatt Regency Chicago, Chicago, IL.

[2015 Symposium on Human Factors and Ergonomics in Health Care: Improving the Outcomes](#), April 26–29, 2015, Baltimore, MD.

[19th Triennial Congress of the International Ergonomics Association](#), August 9–14, 2015, Melbourne, Australia.

November 2014

[52nd Annual SAFE Symposium](#), November 3–5, 2014, Orlando, FL.

[50th Human Factors and Ergonomics Society of Australia \(HFESA\) Annual Conference](#), November 17–19, 2014, Adelaide, Australia.

December 2014

[OzCHI 2014: Annual Conference for the Computer-Human Interaction Special Interest Group \(CHISIG\) of the Human Factors and Ergonomics Society of Australia](#), December 2–5, 2014, Sydney, Australia.

March 2015

[Inaugural International Convention of Psychological Science \(ICPS\)](#), March 12–14, 2015, Amsterdam, The Netherlands.

[The 18th ACM Conference on Computer-Supported Cooperative Work and Social Computing \(CSCW 2015\)](#), March 14–18, 2015, Vancouver, BC, Canada.

[2015 iConference](#), March 24–27, 2015, Newport Beach, CA.

May 2015

[The 18th International Symposium on Aviation Psychology](#), May 4–7, 2015, Dayton, OH.

June 2015

[8th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design](#), June 22–25, 2015, Salt Lake City, UT.

August 2015

[17th International Conference on Human-Computer Interaction \(HCI International 2015\)](#), August 2–7, 2015, Los Angeles, CA.

October 2015

[2015 Road Safety & Simulation International Conference](#), October 6–8, 2015, Orlando, FL.

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