



INSIDE HFES

Submissions Invited: 2016 HFES Health-Care Symposium

The call for proposals for the 2016 International Symposium on Human Factors and Ergonomics in Health Care: Shaping the Future is now open. The deadlines for submitting lecture, panel, and poster presentations are as follows:

LECTURE AND PANEL PRESENTATIONS: 5:00 p.m. Pacific time on Monday, October 19, 2015

POSTER PRESENTATIONS: 5:00 p.m. Pacific time on Monday, November 30, 2015

Topics of Interest

Proposals may address any topic that fits in one of these four subject matter tracks:

- Clinical and Consumer Health-Care IT Track
- Health-Care Environments Track
- Medical and Drug-Delivery Devices Track
- Patient Safety Research and Initiatives Track

Topic examples include, but are not limited to, the following:

- emergency room management
- patient handling
- public health
- home health care
- electronic health records
- health-care information systems
- medical information technology
- design of medicine/drug delivery devices
- standards and guidelines
- human factors/user-centered design processes
- formative and summative usability testing

Information to Include

In addition to full contact information for all coauthors, you must provide the summary, value, learning objectives/knowledge advancement, and uniqueness details listed on the [Submit to Present page](#) with your proposal. When you have gathered together the necessary details, please create a new user account at the [online submission site](#) and enter your proposal.

Decisions will be made by the end of 2015.

Register to Ensure Your Presentation Is Included

ALL presenters whose work is accepted are required to register and pay to attend the symposium no later than February 1, 2016. Details will be provided with the acceptance letter.

Please contact [Lois Smith](#) if you have any questions.

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 2016 International Symposium on Human Factors and Ergonomics in Health Care: Shaping the Future. The symposium takes place April 13–16, 2016, at the Hilton San Diego Bayfront Hotel, in San Diego, California.

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 Thursday, April 14, during the International Symposium on Human Factors and Ergonomics in Healthcare. One presenter from each of the final teams will receive free registration for the symposium. The winning individual/team will be announced during the Monday late-afternoon 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 **October 31, 2015**. Final entries will be accepted between December 1, 2015, and January 31, 2016. For additional details and to download the participation form, click [here](#).

Human Factors Student Review Program

By Patricia R. DeLucia, Editor in Chief

A Student Review Program has been formalized for *Human Factors*. This program enables advanced graduate students to participate in the review process under the supervision of a faculty adviser, building on Nancy Cooke’s efforts to involve graduate students in the review process during her editorship.

When an Editorial Board member is asked to review a manuscript, he or she may choose to nominate a student reviewer by sending me the student's name, training level, and contact information. Nominated students should be in the process of completing their terminal degree and ideally will have experience writing and publishing peer-reviewed articles. Qualified students will be added as student reviewers.

The adviser and student will prepare separate reviews, and the adviser will provide constructive feedback on the student's work. The Associate Editor may exclude the review if it is inappropriate or not useful. Student reviewers will receive the decision letter and all reviews and will be acknowledged in the journal at the end of the year.

It is my hope that the Student Review Program will provide graduate students with professional experience and development and help to build the journal's pool of competent reviewers.

ANNUAL MEETING

Meet the HFES Journal Editors One-on-One

At this year's Annual Meeting, attendees will have an opportunity to meet with each HFES journal editor in a small-group setting to ask questions specific to their interests and needs. The schedule is as follows:

- *Ergonomics in Design*: Meet with Editor-in-Chief Carol Stuart-Buttle on Wednesday, October 28, from 8:30 to 10:00 a.m.
- *Human Factors*: Editor-in-Chief Pat DeLucia will be available on Tuesday, October 27, from 3:30 to 4:30 p.m.
- *Journal of Cognitive Engineering and Decision Making*: Editor-in-Chief Amy Pritchett will discuss the journal and answer questions on Wednesday, October 28, from 1:30 to 3:00 p.m.

Learn how to increase your chances of acceptance for publication of your work, and be sure to arrive early for these sessions, as seating is limited.

Technical Group Business Meetings

Technical Group Networking/Business Meetings at the HFES Annual Meeting will be held as follows:

Aerospace Systems Networking/Business Meeting and Reception, Wednesday, October 28, 3:30–5:30 p.m.

Aging Networking/Business Meeting and Lunch, Wednesday, October 28, 12:00 noon–1:30 p.m.

Augmented Cognition Networking/Business Meeting, Wednesday, October 28, 3:30–5:15 p.m.

Cognitive Engineering and Decision Making Networking/Business Meeting and Reception, Wednesday, October 28, 3:30–5:15 p.m.

Communications Networking/Business Meeting, Wednesday, October 28, 3:30–4:30 p.m.

Computer Systems/Internet Networking/Business Meeting, Wednesday, October 28, 4:30–5:30 p.m.

Education Networking/Business Meeting and Breakfast, Wednesday, October 28, 7:30–8:30 a.m.

Environmental Design/Macroergonomics Networking/Business Meeting and Reception, Wednesday, October 28, 3:45–5:00 pm

Forensics Professional Networking/Business Meeting and Reception, Wednesday, October 28, 4:30–5:30 p.m.

Health Care Networking/Business Meeting and Reception, Wednesday, October 28, 5:30–6:30 p.m.

Human Performance Modeling Networking/Business Meeting, Wednesday, October 28, 5:30–6:30 p.m.

Individual Differences in Performance Networking/Business Meeting, Wednesday, October 28, 3:30–4:30 p.m.

Internet/Computer Systems Networking/Business Meeting, Wednesday, October 28, 4:30–5:30 p.m.

Macroergonomics/Environmental Design Networking/Business Meeting and Reception, Wednesday, October 28, 3:45–5:00 p.m.

Occupational Ergonomics Networking/Business Meeting and Reception, Wednesday, October 28, 4:30–6:00 p.m.

Perception & Performance Networking/Business Meeting and Lunch, Wednesday, October 28, 12:00 noon–1:30 p.m.

Product Design Networking/Business Meeting and Reception, Tuesday, October 27, 5:30–6:45 p.m.

Safety Networking/Business Meeting, Wednesday, October 28, 5:30–6:30 p.m.

Surface Transportation Networking/Business Meeting and Reception, Wednesday, October 28, 5:30–9:30 p.m.

System Development Networking/Business Meeting and Lunch, Wednesday, October 28, 12:00 noon–1:30 p.m.

Test & Evaluation Networking/Business Meeting, Tuesday, October 27, 7:30–8:30 a.m.

Training Networking/Business Meeting and Reception, Tuesday, October 27, 5:30–6:30 p.m.

Virtual Environments Networking/Business Meeting, Tuesday, October 27, 3:00–4:00 p.m.

Please visit [this page](#) for updates. The schedule, including room names, will also be included in the Annual Meeting app, which will be available for download next month.

University Lab Posters

Some spaces are still available for posters from university laboratories that are conducting work in HF/E research and application. 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 by lab representatives or left unattended. There is no proceedings paper associated with lab displays. Each lab (or school, if multiple labs from the same school wish to display a poster) is allocated a single side of a poster board that measures 4 feet high by 8 feet wide. Posters must not exceed these dimensions.

The current schedule is as follows:

Tuesday, October 27, 3:30–5:00 p.m.

- Machines in Thought/Minds in Technology (MIT²) Lab – University of Central Florida
- Humans and Autonomy Laboratory – Duke University
- Warfighter Effectiveness Research Center – United States Air Force Academy
- Cognitive Ergonomics Lab, Human Factors and Aging Lab, Problem Solving and Educational Technology Lab, Sonification Lab, Decision Processes Lab – Georgia Tech
- Center for Research & Innovation in Systems Safety (CRISS) – Vanderbilt University Medical Center
- Advanced Interface Design Lab – University of Waterloo
- HF Labs at Naval Air Station PAX River, Naval Air Warfare, Center - Training Systems Division, Orlando, and Naval Aeromedical, Research Unit in Dayton – Naval Postgraduate School
- Arizona State University Human Systems Engineering Labs – Arizona State University
- Texas A&M Ergonomics Center – Texas A&M University

Thursday, October 29, 1:30–3:00 p.m.

- Arch Lab, Human Factors and Applied Cognition – George Mason University
- Human-Centered Computing – Drexel University
- Human Factors Engineering at UB – University at Buffalo

- GROUPER LAB – Purdue University
- Human Factors Engineering Labs – University of Toronto

To reserve space to display your university’s HF/E lab, send a request to [Susan Marschner](#) at the HFES central office by **September 16** and include the following information:

- Date/time requested
- Name of lab and university
- Name, phone number, and e-mail address of person responsible for the poster
- Description of the lab

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

Get Ready for the 2015 On-Site Career Center

Employers looking for highly qualified HF/E professionals, and members seeking new career opportunities, can take advantage of the [On-Site Career Center](#) during the 2015 Annual Meeting in Los Angeles.

Employers

Companies planning to conduct in-person interviews in the On-Site Career Center must have a current job posting or be registered to search résumés at the [Online Career Center](#) during the Annual Meeting. Reserve an interview booth or table by completing the [reservation form](#). Interview space is allocated on a first-come, first-served basis.

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.

Job Seekers

The Online and On-Site Career Centers provide the following benefits to HFES members:

- 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 your résumé, log in at hfes.org and go to the Career Center navigation bar.

Stay tuned to [this page](#) for the list of companies that will be conducting interviews at the Annual Meeting.

On-Site Career Center Hours

The On-Site Career Center will be available on the following days:

- Monday, October 26, 1:00-6:00 p.m.
- Tuesday, October 27, 8:30 a.m.-6:00 p.m.
- Wednesday, October 28, 8:30 a.m.-5:30 p.m.
- Thursday, October 29, 8:30 a.m.-5:00 p.m.

The following companies have posted jobs in 2015:

- Abbott Laboratories
- Air Force Research Laboratory
- American College of Surgeons
- Athletico
- Battelle Memorial Institute
- BIOMEC Services, LLC
- Cincinnati Children's Hospital Medical Center
- Design Options
- Dexcom
- École de technologie supérieure
- George Mason University Department of Psychology
- Greenlee Textron
- Haworth
- HealthFitness
- Herman Miller
- Hill-Rom
- Honeywell
- Honeywell Corporation
- Human Factors MD Inc.
- Human Solutions Inc.
- Humanscale
- Idaho National Laboratory
- Johns Hopkins University Armstrong Institute for Patient Safety and Quality
- Medical University of South Carolina
- Medtronic
- Medtronic Diabetes
- National Research Council of Canada
- Newell Rubbermaid
- Occupational Services, Inc.
- Pacific Science & Engineering Group
- Perkins Eastman
- Phillips-Medisize Corporation
- Resilient Cognitive Solutions
- Robson Forensic, Inc.
- Schepens Eye Research Institute
- Siemens Healthcare - Ultrasound Division
- SIX Safety Systems
- Space Applications Services
- Texas A&M Transportation Institute
- The Ergonomics Center of North Carolina
- The James and Sylvia Earl SAIL Center
- The Sherwin-Williams Company
- Thermo Fisher Scientific
- Tufts University
- Tyson Foods, Inc.
- UF Health Shands
- University of Illinois at Chicago
- US Army Natick Soldier Research
- Virginia Tech Transportation Institute
- WeddingWire
- Wichita State University
- Worrell
- Wright State University

Student Lounge Speakers and Events

Students are invited to attend a full program of activities in the Student Lounge (Olympic 3) during the Annual Meeting. Below are the speakers who will be available during the morning and afternoon refreshment breaks.

Tuesday, October 27

10:00–10:30 a.m.

Networking With Early Career Professionals in Industry and Government (sponsored by the California State University, Long Beach Student Chapter)

- Kevin Monk, NASA
- Sabrina Billingham, Google
- Mary Ngo (tentative), Pacific Science and Engineering Group

3:00–3:30 p.m.

Academic Jobs and Careers

- Nicholas Kelling, University of Houston-Clear Lake
- Jeremiah Still, Old Dominion University
- Jenay Beer, University of South Carolina

Wednesday, October 28

Stay tuned for details about the Wednesday speakers, organized by the UX Day Planning Committee.

Thursday, October 29

10:00–10:30 a.m.

Technical Standards Q&A Session

- Robert Fox, General Motors and Chair, HFES Technical Standards Division

3:00–3:30 p.m.

Networking With the HFES President (sponsored by the University of Southern California Student Chapter)

- Andrew S. Imada, A.S. Imada & Associates

The Student Lounge will be open Tuesday through Thursday from 8:00 a.m.–7:00 p.m. Sponsorships are still available for Tuesday and Thursday; see <http://bit.ly/SponsorOpportunities>.

Annual Meeting Sponsorship Opportunities

HFES is proud to offer several [sponsorship opportunities](#) for the 2015 Annual Meeting. Whether your organization is in industry, academia, government, the military, or consulting, these opportunities are an excellent way to raise your visibility among the 1,200 attendees who are expected in Los Angeles this year.

Your sponsorship will be promoted via the following channels:

- HFES Annual Meeting Web site listing with link to your site
- Opening Plenary Session recognition
- Annual Meeting program — print and mobile app
- On-site signage, including your organization's name and logo
- HFES social media sites — Twitter, LinkedIn, and Facebook
- Tweets prior to and during your sponsored events
- Your brochures placed in your sponsored event location

Some of the remaining available sponsorship opportunities include:

Student Reception – \$3,500

Each year, 200+ students gather on Tuesday evening to enjoy refreshments and camaraderie. Awards are also presented. Signs bearing the sponsor's name and logo will be placed at the door and in an acknowledgment made during the program.

Student Lounge – Three \$1,500 partial sponsorships

Up to three sponsorships are available. The lounge provides a relaxing atmosphere for networking and mentoring Monday through Thursday. Sponsor(s) will be acknowledged in signage and may display information about the organization. Specify your preferred date(s): October 27 and/or 29.

Mentoring Luncheons – Three \$1,000 partial sponsorships

Up to three sponsorships are available. Three luncheons (12:00 noon–1:30 p.m. on Tuesday-Thursday, October 27–29) will be held to provide students and early career professionals with information and opportunities to develop mentoring relationships with established professionals in the human factors/ergonomics field. Specify your preferred date(s): October 27 and/or 29.

Student Career and Professional Development Day Afternoon Break – \$1,500

Student Career and Professional Development Day is a full-day program on Monday, October 26, and is geared toward helping students prepare for their careers. This sponsorship provides an opportunity to reach out to future HF/E professionals and includes signage bearing the sponsor's name and logo.

Early-Career Professionals Reception – \$4,500

This social event, on Wednesday, October 28, will enable young professionals to network with attendees from industry and academia. The social is followed by a short program that will target specific topics of concern to early-career professionals.

Early-Career Professionals Luncheon – \$2,500

This limited-attendance event on Tuesday, October 27, fosters networking and mentorship among those in early stages of their HF/E careers.

More sponsorships are available [here](#). The [online reservation site](#) makes it fast and easy to book your sponsorships and advertising as well as reserve a booth or tabletop. If you have any questions, please contact Lois Smith at 310/394-1811 or lois@hfes.org.

STANDARDS UPDATE

ISO/TC 159

By Daryle Gardner-Bonneau, Chair, U.S. TAG to ISO/TC 159

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 Jim Williams) welcome your inquiries and your participation in these activities. The listings use the following ISO abbreviations:

CD = Committee Draft
DIS = Draft International Standard
DTR = Draft Technical Report
FDIS = Final Draft International Standard
NWIP = New Work Item Proposal
PAS = Publically Available Specification
SC = Subcommittee
TAG = Technical Advisory Group
TC = Technical Committee
TR = Technical Report
WG = Working Group

New Projects

ISO/SC4/WG10 – *Accessible design of handles for electronic home appliances*. Contact ergojim@earthlink.net.

Draft Documents Released for Comment and/or Vote

ISO/CD 9241-333 – *Ergonomics of human-system interaction – Stereoscopic displays using glasses*. Vote and comments due **September 11, 2015**. Contact ergojim@earthlink.net.

ISO/DIS 25022 – *Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Measurement of quality in use*. Vote and comments due **September 22, 2015**. Contact ergojim@earthlink.net.

ISO/DIS 25023 – *Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Measurement of system and software product quality*. Vote and comments due **September 22, 2015**. Contact ergojim@earthlink.net.

ISO/DIS 9241-112 – *Ergonomics of human-system interaction – Part 112: Principles for the presentation of information*. Vote and comments due **September 30, 2015**. Contact ergojim@earthlink.net.

ISO DIS 9241-960 – *Ergonomics of human-system interaction – Part 960: Framework and guidance for gesture interactions*. Vote and comments due **October 23, 2015**. Contact ergojim@earthlink.net.

Upcoming Meetings

Standard/Group	Date	Location/Description	Contact
ISO/TC159/SC5	October 23–25, 2015	Los Angeles, CA (in conjunction with the HFES Annual Meeting) – SC5 (ergonomics of the physical environment) plenary meeting and meetings of its working groups	JDNBonneau@charter.net
ISO/TC159/WG2	November 9–11, 2015	London, UK – Work on revision of ISO/TR 22411 (ergonomic data for special populations)	JDNBonneau@charter.net
ISO/TC159/SC1/WG5	November 12–13, 2015	Paris, France – Prepare CDs of ISO 27501 and 27502 (ergonomic process standards for high level and front-line managers, respectively); finalize NWIP for ISO 27502	JDNBonneau@charter.net
ISO/TC159/SC4/WG6	November 18–20, 2015	Gaithersburg, MD – Prepare the next draft of ISO 9241-220 (human-centered design process)	ergojim@earthlink.net

OTHER NEWS

IEA K. U. Smith Student Award Recipients



Ademola Adeyemi



Ben Sawyer

Every three years, on the occasion of the Triennial Congress of the International Ergonomics Association (IEA), one or two students are selected to receive the IEA K. U. Smith Student Award. The award is named in honor of K. U. Smith, who was a professor of psychology at the University of Wisconsin-Madison and one of the founders of the IEA.

The committee received 10 submissions from students around the world. The two students who were selected to receive the 2015 award are Ademola Adeyemi for his paper, “Backpack-Back Pain

Complexity and the Need for Multifactorial Safe Weight Recommendation,” and Ben Sawyer, for “Google Glass: A Driver Distraction Cause or Cure?”

Hailing from Nigeria, Ademola Adeyemi recently completed his PhD at the Universiti Teknologi Malaysia, where his advisors were Mat Rebi Abdul Rani and Jafri Mohd Rohani. Ben Sawyer is a student at the University of Central Florida, and his adviser is Peter Hancock.

The 2015 IEA K. U. Smith Student Award committee included Pascale Carayon (chair), Thomas J. Smith (son of K. U. Smith), and Andrew S. Imada (current HFES president and past IEA president).

CALENDAR

Featured Events

[Puget Sound HFES 2015 Occupational Ergonomics Symposium](#), September 25, 2015, Seattle, WA.

[2015 HFES International Annual Meeting](#), October 26–30, 2015, Los Angeles, CA.

[2016 International Symposium on Human Factors and Ergonomics in Health Care: Shaping the Future](#), April 13–16, 2016, San Diego, CA.

[ErgoX: An Extraordinary Ergonomics Event](#), June 6–8, 2016, Anaheim, CA.

November 2015

[53rd Annual SAFE Symposium](#), November 2–4, 2015, Orlando, FL.

[170th Meeting of the Acoustical Society of America](#), November 2–6, 2015, Jacksonville, FL.

[2015 ANS Winter Meeting and Nuclear Technology Expo](#), November 8–12, 2015, Washington, DC.

[Institute of Environmental Sciences and Technology \(IEST\) Fall Conference](#), November 9–12, 2015, Rosemont, IL.

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