In this article, HFES acknowledges distinguished members who were recognized on Tuesday, October 27, during the Opening Plenary Session at the 2015 Annual Meeting in Los Angeles.

Fellows

Congratulations to the newly elected Fellows, who were honored for their outstanding achievement, consistently superior professional performance, exceptional contributions, and service to the Society.

- Ellen J. Bass, Professor, Drexel University
- Catherine Burns, Professor, Systems Design Engineering, University of Waterloo

Awards

The Society also congratulates the following recipients of HFES awards:

Receiving the Jerome H. Ely Human Factors Article Award are the late Raja Parasuraman, and Brian Kidwell, Ryan Olmstead, Ming-Kuan Lin, Ryan Jankord, and Pamela Greenwood for their paper, “Interactive Effects of the COMT Gene and Training on Individual Differences in Supervisory Control of Unmanned Vehicles.” This paper stood out due to its truly novel contributions to the field. Neuroergonomics is a significant departure from past human factors research. This multidisciplinary group of authors demonstrated the role of a specific genotype in accounting for individual differences in how quickly participants could learn a complex...
supervisory control task and their eventual level of performance. The implications of this work for future selection and training programs are potentially revolutionary.

The Hal W. Hendrick Distinguished International Colleague Award, which honors a non-U.S. citizen for outstanding contributions to the human factors/ergonomics field, was presented to Jan Dul for contributions to the field that have been unique, far-ranging, and impactful. Dul specializes in the interaction between people and the technological and social-organizational environment. He has consulted with more than 50 companies to educate them on how properly designed and managed work environments can facilitate employee performance and well being.

Recognizing exceptional contributions to the education and training of human factors specialists, the Paul M. Fitts Education Award went to Patricia DeLucia of Texas Tech University. The award subcommittee stated that DeLucia’s “influence on human factors education is pervasive. DeLucia kept the Human Factors program alive at Texas Tech after the only faculty member in the program left and remade the program into one that trains students for a five-year BA/MA degree, a terminal MA, and a PhD. Pat made sure that the program includes both basic and applied science and that students are trained to be excellent researchers.

Pascale Carayon of the University of Wisconsin – Madison, received the A. R. Lauer Safety Award. She directs that university’s Center for Quality and Productivity Improvement. Carayon developed the Systems Engineering Initiative for Patient Safety, a program that tackles the societal problem of medical error. The model has contributed to significant improvements in drug administration and electronic health records, and it has demonstrated how high nursing workload contributes to complications and mortality of ICU patients.

The Alexander C. Williams, Jr., Design Award was presented to Nancy Larson for her design of the Ergonomic Job Analysis System at 3M. This system, which is grounded in HF/E principles, has proven effective at reducing the incidence of work-related injuries and illnesses and has broadened the popular understanding of the capabilities of HF/E as a means of improving production performance.
The **Alphonse Chapanis Best Student Paper Award** provides a monetary award of $2,000 and a certificate to the student or students who present the most outstanding student paper at the Annual Meeting. Christina A. Yee and Homayoon Kazerooni received the 2015 award for “A Neck Support for Alleviating Occupational Neck Pain.”

The late Raja Parasuraman is the posthumous recipient of the **Jack A. Kraft Innovator Award**, which recognizes a person for significant efforts to extend or diversify the applications of HF/E principles and methods to new areas of endeavor. Parasuraman’s vision and creativity both extended and diversified the HF/E field. He linked the fields of neuroscience and ergonomics, creating the emerging field of neuroergonomics to enhance the understanding of brain function and behavior. This resulted in newly created departments and programs in neuroergonomics at universities in the United States, Europe, and Asia.

The **Best Ergonomics in Design Article Award** is “Contextual Design of a Motivated Medication Management Device” by Erin Chiou, Vindhya Venkatraman, Kathleen Larson, Yaqiong Li, Madeleine Gibson, and John D. Lee. The judges commended the authors’ frank discussion of design limitations and areas for future consideration. One judge predicted that this article will be key in future developments in individual medication management.

Recognizing service and excellence in outreach to the general public, government agencies, and professional organizations, the **Oliver Keith Hansen Outreach Award** was presented to Haydee Cuevas for her constant devotion to promoting the awareness of the HF/E profession. Cuevas developed and personally funded a series of extremely well-received and effective mentor-mentee luncheons and sessions, which have been attended by more than 700 people. She has promoted awareness of the profession through her leadership in National Ergonomics Month activities, which have increased the field’s visibility through an outreach competition among student chapters.

“Resilient Practices in Maintaining Safety of Health Information Technologies” by Michael W. Smith, Joan S. Ash, Dean F. Sittig, and Hardeep Singh received the **Best Journal of Cognitive Engineering and Decision Making Article Award**. The article illustrates a hallmark of outstanding work in cognitive engineering and decision making. Even though it is grounded in a particular domain – in this case health care – the insights it generates have theoretical relevance and practical impact across domains.
The William C. Howell Young Investigator Award was presented to Richard J. Holden, who received a joint PhD in industrial engineering and psychology in 2009 from the University of Wisconsin-Madison and has already made significant scientific contributions in the areas of patient-centered health informatics. He has a remarkable publishing record, with 35 peer-reviewed articles (24 of them as first author) and 34 book chapters and proceedings articles.

The Bentzi Karsh Early-Career Service Award recognizes outstanding contributions to HFES through professional service and outreach activities as a student and early-career professional. The 2015 recipient, Sandra K. Garrett, is the personification of the special individual for whom this award was created. She has repeatedly demonstrated her keen ability to effect lasting and impactful change and has served as a role model to both encourage and inspire current and future students and early-career professionals.

The Arnold M. Small President’s Distinguished Service Award recognizes an individual for career-long contributions to the Society and the discipline. This year’s award was presented to Najmedin Meshkati. For the past 25 years, Professor Meshkati has been teaching and conducting research tirelessly on risk reduction and reliability enhancement of complex technological systems, including some of the most dangerous and high-profile cases in which human factors/ergonomics has played a role. He has worked in and visited disaster sites in Chernobyl, Fukushima, Bhopal, and Texas City. He has raised the profile of HF/E as a profession. Besides his scholarly publications, he has published op-eds, granted interviews, and contributed to major national and international newspapers, magazines, and news outlets. This effort to express the HF/E point of view to mainstream publication outlets around the world is what sets him apart. He has been willing to share his opinion about the known science and translated it to public policy, corporate social responsibility, and foreign policy. He embodies the spirit of the HFES future vision.

Student Member and Chapter Awards

HFES is pleased to recognize the following recipients of the Student Member with Honors award, presented annually to acknowledge students who have made an outstanding contribution to the HF/E discipline and/or to the Society.

- Eric T. Chancey, Old Dominion University
- Cyrus K. Foroughi, George Mason University
- Thomas M. Gable, Georgia Institute of Technology
- Gabriella Hancock, University of Central Florida
• Boyi Hu, West Virginia University
• Sadaf Kazi, Georgia Institute of Technology
• Ja Young Lee, University of Wisconsin-Madison
• Samuel J. Levulis, Texas Tech University
• Joseph Douglas McDonald, Georgia Institute of Technology
• Drew Morris, Clemson University
• Michael A. Rupp, University of Central Florida

The following student chapters have received Student Chapter Awards in recognition of their contributions and achievements, which have been judged on the number and quality of activities engaged in across several categories with the emphasis on demonstrated excellence in a number of areas.

**Gold Level** – requires activity in at least eight categories with excellence in at least five categories, and at least 50% of the student members (or no fewer than five for chapters consisting of fewer than 10 members) also being HFES Student Affiliate members:

• California State University, Long Beach
• Clemson University
• Embry-Riddle Aeronautical University
• George Mason University
• Georgia Institute of Technology
• Purdue University
• Texas Tech University
• University at Buffalo, SUNY
• University of Central Florida
• University of Michigan
• University of Southern California
• University of Toronto
• University of Wisconsin-Madison
• Virginia Tech
• Wichita State University

**Silver Level** – requires activity in at least five categories with excellence in at least three categories, and at least 40% of the student members (or no fewer than four for chapters consisting of fewer than 10 members) also being HFES Student Affiliate members:

• Old Dominion University
• University of Puerto Rico-Mayaguez
• University of South Dakota
• University of Texas A&M

**Bronze Level** – requires activity in at least three categories with excellence in at least two categories, and at least 25% of the student members (or no fewer than three for chapters consisting of fewer than 10 members) also being HFES Student Affiliate members:

• University of Waterloo
Train Designers Receive Caplan User-Centered Product Design Award

The Product Design Technical Group (PDTG) congratulates DCA Design International on receiving the 14th Annual Stanley H. Caplan User-Centered Product Design Award, which was presented on October 27 during the Annual Meeting. In addition to receiving a $1,000 honorarium and plaque acknowledging the achievement, DCA’s Human Factors Lead Dan Jenkins gave a presentation on the product and its development methodology.

This year’s winning design is for the Hitachi Class 800/801 Train, an intercity passenger express train conceived to be faster, accommodate more passengers, and be more environmentally sustainable than current models.

The design team took into consideration the staff and passengers who travel between London and other major cities in the United Kingdom. The goal was to improve the user experience and support growth along the corridors the train will serve. The first train is expected to enter service in 2017.

“It’s a real honor to receive such a prestigious award – the whole design team is thrilled to see their hard work recognized,” said Jenkins. “The overriding philosophy behind the design of the Hitachi Class 800/801 train was to develop a multidisciplinary design team with human factors playing a critical role from the outset. This allowed us to explore opportunities to improve the safety, efficiency, and user experience of the design at the earliest stages of development.”

Award cochair Dianne McMullin noted “Stan Caplan and I are very excited about the Hitachi Class 800/801 train receiving the award, and we wish to congratulate the project team on their achievement. This is the first time an international candidate has received the award, and the judges found DCA’s work to be exemplary.”

The User-Centered Product Design Award recognizes outstanding and innovative product design and the consumer research and design methods used to develop and evaluate that design. View information about past recipients and judging criteria at http://tg.hfes.org/pdtg/awards.htm.

Renew Your Membership

Renew your membership for 2016 and continue your commitment to advancing your career. The Society is the vehicle that unites members’ voices and actions and provides you with the tools and networking opportunities that are essential for your success.

HFES is committed to assisting in furthering your professional goals, increasing the field’s global impact, and expanding the range of HFES publications, events, and services. The Society now offers three conferences to enhance career development: the Annual Meeting, the healthcare symposium, and ErgoX. Your membership also includes free online access to nearly 20,000 articles from these publications:

• Human Factors
• Journal of Cognitive Engineering and Decision Making
• Ergonomics in Design
• Reviews of Human Factors and Ergonomics
• HFES Annual Meeting Proceedings
• Proceedings of the Symposium on Human Factors and Ergonomics in Health Care
Renewing is easy at hfes.org. If you need assistance, don’t hesitate to contact the Member Services Department at membership@hfes.org, 310/394-1811.

Donate to HFES With AmazonSmile

HFES participates in the AmazonSmile program. For every purchase made through the banner on the left, Amazon will donate 0.5% of the price of all eligible AmazonSmile purchases to HFES. This is in addition to the share of purchases that HFES enjoys as a participant in the Amazon Associates program. When shopping for the holidays, or any time, consider purchasing via the HFES AmazonSmile link.

ANNUAL MEETING
Submit Your Work for HFES 2016

The 2016 International Annual Meeting of the Human Factors and Ergonomics Society will be held September 19–23 in Washington, D.C. Don’t miss your chance to be part of the world’s most prestigious gathering of HF/E experts.

Expand your network

• Explore partnership opportunities
• Create meaningful connections
• Share knowledge and ideas with other experts
• Build your professional reputation

Keep up with important research

• The latest innovative research and applications
• Hands-on skill-building workshops
• 100+ technical sessions across multiple domains

Get involved in your field

• Student and early-career development opportunities
• User Experience Day
• Special events, networking activities, and technical tours

Case studies, debates, demonstrations, new methodologies, on-site experiments, and posters are welcome. Detailed instructions for submitting your work will be posted in early December at hfes.org.
HFES especially invites special-format sessions and presentations from invited speakers who bring their perspectives from areas related to human factors/ergonomics, identifying areas in which HF/E work is needed.

Only papers that have not been published previously or presented at another professional meeting may be submitted. All research and analyses described in a proposal must be complete at the time of the submission. Papers that do not present completed work will be rejected. The sole exception to this policy is for student work submitted for consideration in the Student Forum track, in which case the proposer may report on work in progress.

The deadline for submitting any type of proposal is **FEBRUARY 8**. Note that for all accepted submissions, one of the authors must attend the meeting to present the work. All presenters are required to pay the meeting registration fee. For questions on the submission process, please contact Lois Smith at 310/394-1811.

**2015 Annual Meeting Sponsors**

HFES is grateful to the following sponsors for their support of the 2015 Annual Meeting.

**Alphonse Chapanis Best Student Paper Award**
- HFES Council of Technical Groups
- Waldemar Karwowski

**Environmental Design/Macroergonomics Technical Group Reception**
- Office Ergonomics Research Committee

**HCTG/PDTG Networking Reception Sponsors**

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- MedStar Health - National Center for Human Factors in Healthcare
- Nuance

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- Teague
- Usability Associates
- UserWorks

**Junior Sponsor**
- Research Collective

**Lanyards**
- GfK
**Mentor-Mentee Luncheons**  
Haydee M. Cuevas (Tuesday and Thursday)  
Monterey Technologies, Inc. (Wednesday)

**Occupational Ergonomics Technical Group Reception**  
Office Ergonomics Research Committee

**Student Lounge**  
Board of Certification in Professional Ergonomics (Tuesday)  
State Farm (Wednesday)

**Surface Transportation Technical Group Networking/Business Meeting**  
Realtime Technologies, Inc.

**Surface Transportation Technical Group Program Track**  
University of Michigan Transportation Research Institute

**UX Day Leadership Development Workshop**  
Design Interactive

**UX Day Keynote Address**  
Emerson Process Management

**UX Day Best Paper Competition Sponsor/Student Lounge**  
State Farm (Wednesday)

**UX Day Design Challenge**  
United Technologies Research Center

**UX Day Logo Competition & Twitter Raffle**  
Motorola

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**STANDARDS UPDATE**

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

**Request for U.S. Experts**  
U.S. experts are needed for two working groups in ISO/TC159/SC4:  
- ISO/TC159/SC4/WG5 – *Software Ergonomics*  
- Joint working group – ISO/IEC/JTC1/SC7/WG28 – *Common Industry Format*

If interested in serving, please contact ergojim@earthlink.net.

**Projects**  
ISO/TC159/SC4 – two work items are out for vote on tactile markings and legible font sizes.  
Contact ergojim@earthlink.net.
ISO/TC159/SC3 – revision of ISO/11228-1 – *Lifting and carrying*. Contact
robert.r.fox@gm.com.

### Upcoming Meetings

<table>
<thead>
<tr>
<th>Standard/Group</th>
<th>Date</th>
<th>Location/Description</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO/TC159/SC1/WG5</td>
<td>November 12–13, 2015</td>
<td>Paris, France – Prepare CDs of ISO 27501 and 27502 (ergonomic process standards for high level and frontline managers, respectively); finalize NWIP for ISO 27502</td>
<td><a href="mailto:JDNBonneau@charter.net">JDNBonneau@charter.net</a></td>
</tr>
<tr>
<td>ISO/TC159/SC4/WG6</td>
<td>November 18–20, 2015</td>
<td>Gaithersburg, MD – Prepare the next draft of ISO 9241-220 (human-centered design process)</td>
<td><a href="mailto:ergojim@earthlink.net">ergojim@earthlink.net</a></td>
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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** = Publicly Available Specification
- **SC** = Subcommittee
- **TAG** = Technical Advisory Group
- **TC** = Technical Committee
- **TR** = Technical Report
- **WG** = Working Group
MEMBER MILESTONES

In Memoriam: Donald Brown Devoe

HFES Emeritus Member Donald Brown Devoe passed away peacefully on July 30, 2015, at the age of 95.

Donald graduated from Bangor High School in 1937 and from the University of Maine, Orono, in 1941 with a BA in physics. He enlisted as an Aviation Cadet in US Army/Air Corps (later the U.S. Air Force) in June 1941. Following special training in meteorology at MIT, he was transferred to the 442 Bombardment Squadron, where he served between 1942 and 1945 in the European and Mediterranean theaters providing weather advisories to bomber crews before missions. Donald received his honorable discharge from the Army on February 16, 1946, as a captain and continued serving in the reserves for the next 33 years, rising to the rank of Air Force colonel before retiring on September 11, 1979.

Following the war, Donald continued his studies, first earning his MA in psychology in 1947 at University of Maine, Orono, and then his PhD in psychology at the University of Rochester in 1952. He joined the Human Factors Society in 1958.

Donald’s professional career focused on human factors, including human perception and problems in the area of human-machine interfaces via electronic systems. He held positions with Air Force Human Resources Research Center, Tufts University, the Air Force Cambridge Research Center, Sperry Rand Research Center, Applied Research Laboratory of Sylvania Electronic Systems Division, and the Department of Transportation. Donald was the author or coauthor of many publications focused on the documentation of human factors information, visual displays, manual controls, and transportation safety. In addition to HFES, he was a member of many academic and professional organizations, including the American Psychological Association, the Society for Information Display, the New York Academy of Science, Phi Beta Kappa, Phi Kappa Phi, and Sigma Xi.

Donald was an avid photographer, artist, hiker, bird watcher, reader, trombonist, and perhaps above all, humorist. He loved to travel and loved even more being at home with friends and family.

For online condolences and additional information about Donald, please visit www.lindquistfuneralhome.com.
Featured Events


ErgoX: An Extraordinary Ergonomics Event, June 6–8, 2016, Anaheim, CA.

December 2015

Australian Institute of Occupational Hygienists Annual Conference, December 5–9, 2015, Perth, Australia.

27th Annual National Forum on Quality Improvement in Healthcare, December 6–9, 2015, Orlando, FL.

January 2016

Transportation Research Board (TRB) 95th Annual Meeting, January 10–14, 2016, Washington, DC.

International Meeting for Simulation in Healthcare, January 16–20, 2016, San Diego, CA.

February 2016

2016 Powerplant Simulation Conference (PowerplantSim'16), February 1–3, 2016, San Antonio, TX.

Assistive Technology Industry Association (AITA) 2016 Conference, February 3–6, 2016, Orlando, FL.

American Physical Therapy Association Combined Sections Meeting (CSM), February 17–20, 2016, Anaheim, CA.


Public Agency Risk Management Association (PARMA) Conference, February 23–26, 2016, Indian Wells, CA.