



## MEMBER MILESTONES

### Eulogy for Our Friend Raja Parasuraman

*By His Friends and Colleagues*



*Raja Parasuraman*

A shining light has gone from our professional world and, for many of us, our personal lives as well; yet its effects still burn brightly within us. For, tragically, on Sunday, March 22, 2015, our friend and scientific luminary, Raja Parasuraman, passed away. It is still hard to believe that he is gone and harder still to encapsulate in a few laudatory phrases what this giant of HF/E has contributed to our world and our understanding of it.

Raja is perhaps best known for the synthesis of the two areas of research that he loved so much and to which he made so many substantive contributions. These were HF/E and neuroscience. His bridging of these domains, which promises to be his fundamental legacy, was neuroergonomics, an endeavor that is growing and energizing each of those individual disciplines today. We remain indebted to his innovative vision of how humans create and interact with the technological worlds that surround them.

Raja was not solely a talented academic; rather, he was the essence of a vibrant, articulate, and emotional advocate for the improvement of the human condition. We are all impoverished by his passing, as each of us has been elevated by our knowing him.

Raja's early work created a renaissance in the understanding of systems monitoring, or more widely vigilance. Vigilance or sustained attention remained close to his heart throughout his career. His respective papers on interaction with automated and semiautomated systems have become classics of our science. His staggering scholarly output was evident from his earliest contributions, and his insightful and incisive taxonomy re-energized a world of vigilance that had threatened to become moribund. Such studies are now central to all of HF/E as we collectively struggle to understand how humans can and should interact with ever more pervasive automation. In this crusade, Raja was our leader.

His most recent works on the genetic bases for human capacities to interact within a technologically oriented environmental niche influenced many within our science and many more beyond. It is not only our part of the scientific enterprise that rightly celebrates his life and mourns his passing; his consistent and impactful contributions to neuroscience will be equally missed.

Of course, there was much more to Raja than even those contributions. He was a caring and inspiring human being with a wonderful and constant sense of humor. He was a teacher by heart. Whoever has seen him at a conference probably has seen him together with graduate and doctor-

al students. All of them will not only remember him as a brilliant academic mentor but also as someone who was personally interested in their developments and who treated them as colleagues from the very beginning. His students now grace the upper echelons of many scientific societies. Indeed, few are the members of our profession whom he has not touched.

Over the years, Raja has been a flawless exemplar of the very best of our discipline and a role model for scientists in general. Whenever one was in Raja's presence, there was a quiet and yet highly charged sense that he was someone very special and yet at the same time approachable, helpful, and always willing to learn. A true philosopher and heroic scientist, Raja is gone, but his legacy and drive live within us all. We dedicate ourselves to carrying forward the celebrations around, and future impact of, his epic achievements. We should strive mightily against our world being lessened solely by his physical passing. Raja deserves no less and would expect that.

We extend our heartfelt sympathies to his family, friends, and colleagues on whom this loss falls most heavily. All of us who knew Raja will remember his wisdom, his intellect, and his humanity. Rarely has, or will, a loss such as this detract more from the sum of human achievement than that of Raja Parasuraman.

## **PUBLIC POLICY MATTERS**

### **U.S. House and Senate Consider Respective Budget Resolutions**

*By Lewis-Burke Associates LLC*

The House and Senate Budget Committees released their respective drafts of a fiscal year (FY) budget resolution during the week of March 16. Both proposals seek to balance the budget in fewer than 10 years without raising taxes. Although neither resolution has the power of law, each will serve as a blueprint to guide policymaking. Congress would need to reconcile the differences between the two bills to present a unified front to the Obama Administration. The bills are sharply divided in their approaches to military spending and the future of Medicare.

#### **House Republican Budget Resolution Keeps Spending Caps in Place**

On March 17, the House Budget Committee released a draft of its FY 2016 budget resolution, entitled "[A Balanced Budget for a Stronger America](#)." The proposed House budget resolution would maintain the \$1.016 trillion overall spending cap for the annual appropriations bills in FY 2016. This level of funding would be only \$2 billion above the FY 2015 appropriations level and \$74 billion below the president's FY 2016 budget request.

Whereas the House budget resolution would sustain the spending cap for the FY 2016 appropriations bills, the plan assumes even deeper spending cuts in future years from discretionary spending below the post-sequester caps in current law. The proposed House budget resolution outlines a plan for cutting \$5.5 trillion in spending over the next 10 years—\$400 billion more than the House proposed last year. These savings would require significant changes to current laws governing entitlement and mandatory programs and taxes, which are unlikely in the near term.

The budget resolution would also require all congressional authorizing committees to find \$5 billion in additional savings by cutting inefficient and wasteful programs at government agencies. For example, the resolution would require the House Energy and Commerce Committee to

identify an additional \$1 billion in savings over the next 10 years from programs in the Departments of Energy and Commerce.

Defense spending would be subject to the spending cap of \$523 billion, but the House budget resolution would provide an additional \$36 billion in defense spending in the Overseas Contingency Operations emergency war account, which is not subject to the sequester. The only proposed change to the budget caps would be for defense spending starting in FY 2017. The House budget resolution would provide an additional \$22 billion above the budget caps over a five-year period starting in FY 2017 and \$151 billion more over a 10-year period. Reductions in entitlement and mandatory programs, tax reform, and rescinding agencies' unobligated funding balances would be required to allow for this increase. This would also mean large cuts to non-defense research funding, education, and health-care programs.

For the discretionary research agencies, the House budget resolution calls for continued strong funding support for core basic research activities and specifically calls out the valuable role played by the National Institutes of Health in delivering cures and therapies. There is continued support for the Department of Energy's Office of Science because of its focus on breakthrough innovations. However, there is less support for the applied energy programs because of a strong preference to leave the application and commercialization of new technologies to the private sector. The budget resolution would also rescind all unobligated balances from loan guarantee and other programs that fund "green energy" projects.

The House Republican budget resolution is being portrayed as a responsible fiscal blueprint that will strengthen the U.S. economy. To improve performance, implement efficiencies, and reduce spending, the House budget resolution proposes, among other things, to

- repeal the *Affordable Care Act* (ACA);
- overhaul the tax code to lower rates for individuals, families, and large and small businesses;
- repeal the alternative minimum tax;
- repeal certain Dodd-Frank financial legislative provisions;
- convert the Supplemental Nutrition Assistance Program (SNAP) to a state-managed fund in 2021; and
- pass a balanced budget constitutional amendment.

### **Senate Republicans Maintain Strict Spending Caps in Budget Resolution**

On March 18, the Senate Budget Committee, under the chairmanship of Senator Mike Enzi (R-WY), released a draft of its FY 2016 budget resolution. This is the first Senate Republican budget resolution since 2006. The proposed resolution, while short on details, would maintain the \$1.017 trillion overall spending cap for the annual appropriations bills in FY 2016. The proposal would create a "deficit-neutral reserve fund" in which excess revenue would be held and used for defense spending if agreed to by a supermajority. In addition, a vote of 60 votes or more would be required to add funding to the Overseas Contingency Operations war account, which the Senate proposal would cap at \$58 billion—the same level as the president's budget request.

Whereas the Senate budget resolution would sustain the spending cap for the FY 2016 appropriations bills, the plan assumes even deeper spending cuts in subsequent years from discretionary spending below the post-sequester caps in current law. For example, the Senate budget resolution calls for an overall savings of \$5.1 trillion over the next decade. The Senate seeks to cut, of that \$5.1 trillion, \$4.3 trillion from mandatory programs over the next 10 years by repeal-

ing the ACA and making changes to existing entitlement programs such as Medicare, Medicaid, and SNAP.

Unlike the House proposal, which would protect basic research and cut applied research programs, the Senate proposal prioritizes energy research and development for renewable forms of energy, fossil fuel exploration, nuclear energy, and grid modernization. Like the House plan, the Senate proposal would freeze the maximum individual Pell Grant at the FY 2016 level of \$5,775.

*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.*

## INSIDE HFES

### Nomination Ballots Coming Soon

Nomination ballots for the 2015 election of HFES officers and at-large Executive Council members will be sent to Full and Emeritus Members and Fellows on **April 15**. Completed nomination ballots are due on **May 15**. Voting members will be able to receive and return nomination ballots via e-mail. If you have already opted out of the e-mail voting process, you will receive your nomination ballot by mail. All others will be receiving the ballots by e-mail.

The Executive Council (EC) wants to enable a variety of enthusiastic and committed nominations for HFES officers and at-large EC positions. The EC is engaged in setting a strategic direction for the Society and overseeing its fiscal and intellectual direction, so the health and future of HFES depends on a continually diverse amount of input and perspective. Officers and at-large Council members are expected to attend the midyear (spring) and annual (fall) meetings of the Executive Council; the Society reimburses some travel and hotel expenses within the limits of the Society's travel policies.

HFES members are encouraged to seek out eligible nominees for all available positions. All nominators should confirm the willingness of their nominees to run for office.

### HFES Supports Risk Management Issue of *Horizons*

HFES is proud to be a supporter of the current issue of the Association for the Advancement of Medical Instrumentation's *Horizons* supplement, which is dedicated to risk management. In this issue, experts provide insight into critical areas of risk management, including dispelling myths and misunderstandings, applying best practices in terminology, and embracing new paradigms to identify, analyze, and control risks effectively. The issue is accessible online at [www.aami.org/productspublications/horizonsissue.aspx?ItemNumber=1954&navItemNumber=693](http://www.aami.org/productspublications/horizonsissue.aspx?ItemNumber=1954&navItemNumber=693).

# Special Issue Papers Sought on Measuring Safety and Performance in Human-Automation Systems

Guest Editors Eduardo Salas (University of Central Florida/Rice University) and Jessica Marquez and Brian Gore (NASA Ames Research Center) welcome submissions to a *Human Factors* special issue titled “Measuring Safety and Performance in Human-Automation Systems: Theories, Metrics, and Practice.”

## Background

Automated systems are ubiquitous in all areas of modern life. Their penetration is deepening in areas in which they are already present, and their use is spreading to applications not previously possible. For example, the anticipated level of automation in unmanned aerial vehicles is on the rise. Driverless cars are here. Smart homes are on the horizon. Inclusion of highly automated systems will be required for future human spaceflight missions as the National Aeronautics and Space Administration (NASA) plans to send astronauts on missions to an asteroid by 2025 and to Mars during the 2030s (NASA Exploration Forum, 2014). Current missions are already dependent on automation systems to maintain crew safety and mission performance—from spacecraft navigation to life support to robotic operations. Future interplanetary expeditions will increase the role of automation in safety critical systems.

However, system integration and design issues have contributed to documented failures with automation systems used in the human spaceflight context, such as the *MIR–Progress* collision in 1997 (Marquez, Feary, Rochlis Zumbado, & Billman, 2013). Similarly, accidents from the aviation (e.g., Korean Airlines Flight 007, American Airlines Flight 965, and Air France Flight 447), maritime (e.g., *Crown Princess*), and nuclear (e.g., Three Mile Island) domains all speak to the need to develop safe and effective human-automation systems (HAS). To achieve this goal, it is important to have effective metrics that monitor critical factors associated with human-automation interaction. One of the main challenges is utilizing such metrics in the design, development, and operation of systems before and during missions.

In order to help investigate the requirements of effective measurement, we need to understand how safety and performance are assessed in real-world work environments, and how metrics associated with HAS are utilized, especially in safety-critical domains. This effort aims to identify different candidate perspectives regarding the types of metrics used and potential trade-offs of using these metrics for automation system design and application.

## Scope of Topic

This special issue aims to address questions regarding the various inputs, processes, and states that have been measured in HAS in safety-critical domains and how to inform measurement in HAS that relates to safety and performance. Specific questions include the following:

- What effective methods have been applied in investigating the design and application of automation for optimal safety and performance?
- What metrics and measurement tools work for measuring human–automation inputs, processes, and outcomes, and why do they work?
- What other considerations should be taken into account when measuring safety and performance in HAS?
- What is important for system designers to consider when assessing human-automation safety and performance throughout the automation system lifecycle?
- What is still missing from our toolkit of metrics and measures for HAS?
- What are the roadblocks to applying measurements in a safety-critical, operational setting?
- What studies could be done to elicit safety and performance metrics that are not being used currently?
- What theories can guide the development of metrics in safety critical domains?

Contributions to this special issue will not only go on to address safety and performance issues associated with HAS but will also contribute to the science of human–automation performance assessment. Insights from contributors can help create best practices for capitalizing safety and performance in HAS, as well as scientifically validated metrics for easily capturing HAS states and processes.

[Online submissions](#) are requested by **October 1, 2015**. Please review the [author instructions](#) before submitting your work.

## References

Marquez, J. J., Feary, M., Rochlis Zumbado, J., & Billman, D. (2013). *Evidence report: Risk of inadequate design of human and automation/robotic integration* (NASA Technical Report). Houston, TX: Lyndon B. Johnson Space Center.

NASA Exploration Forum to Showcase Human Path to Mars. (2014, April 23). NASA Mars Exploration press release. Retrieved from <http://mars.nasa.gov/news/whatsnew/index.cfm?FuseAction=ShowNews&NewsID=1629>

## ANNUAL MEETING

### Attend UX Day 2015

By UX Day 2015 Executive Team

We're halfway to another User Experience (UX) Day! The event delivers a great dedicated track of programming specifically geared for UX professionals, including technical sessions and networking opportunities. It provides an opportunity to make personal connections with a wide variety of UX professionals from around the world.

UX Day 2015 takes place on October 28 at the HFES Annual Meeting in Los Angeles. Although it is still six months away, it's not too early to start thinking about travel arrangements.

We have some very exciting events planned for this year, so make sure you are taking the necessary steps to plan ahead for attendance.

Early HFES registration will be available in July. For accommodations information and discounted room booking, check out the HFES Web site at <http://www.hfes.org/web/HFESMeetings/2015annualmeeting.html>.

Keep an eye out for more information on UX Day 2015 events and announcements! We hope to see you in October.

## **UX Day Logo Design Contest**

**By UX Day 2015 Executive Committee**

The HFES User Experience (UX) Day 2015 Executive Committee is pleased to announce the official UX Day Logo Design Contest! We are looking for competitors to create a unique and eye-catching logo to display on UX Day 2015 materials. UX Day is a dedicated program track that aims to bring together members of HFES and other organizations whose subject matter is related to UX for an engaging day of technical and social events.

The winning logo will be proudly displayed on UX Day 2015 promotional materials both online (<http://userexperiencedayhfes.com/>) and in print, including UX Day signs to be used at the Annual Meeting in Los Angeles. The grand prize recipient will also receive a newly introduced Motorola mobile device, courtesy of Motorola.

Logo design submissions must include the following details:

- The words “UX Day 2015” and “HFES”
- The date “October 28, 2015” (can be shown as 10.28.2015, 10/28/2015, etc.)

Submissions must not make use of the official HFES logo. The winning UX Day logo must appear separately from the official HFES logo on promotional materials as needed. The logo must also be adaptable for use in both electronic and print media, for reproduction on small and large surfaces, and for use in color or gray scale. Designs must be in JPEG and PSD format with 300 dpi or higher.

The UX Day 2015 Executive Committee will judge all submissions and select the winning logo based on the following criteria:

- Uniqueness and content – a design that will speak to UX Day at the HFES Annual Meeting
- Scalability – readability and impact from small and large logo reproduction
- Adaptability for all media use
- Overall design quality and impact

E-mail your design to James Parker ([parkerjdp89@gmail.com](mailto:parkerjdp89@gmail.com)) by **May 4, 2015**. All participants will be notified of the UX Day Executive Committee’s decision by the end of May.

HFES has exclusive ownership, copyright, and control over the use of the original winning design in all forms and formats. HFES may reproduce, in any format, all or any portion of the design and distribute any reproductions of the logo design.

Thank you for your interest, and we look forward to seeing your designs!

## **ISO/TC 159 Standards Update**

*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:

TAG = Technical Advisory Group

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

DTR = Draft Technical Report

PAS = Publically Available Specification

**Items new this month are preceded by \*\*\*.**

### **New Projects**

\*\*\*ISO/SC4/WG10 – Accessible design of handles for electronic home appliances. Contact [ergojim@earthlink.net](mailto:ergojim@earthlink.net).

### **Draft Documents Released for Comment and/or Vote**

\*\*\* SC1 – ISO/DIS 27500 – The human-centered organization – Rationale and general principles. Vote and comments due **May 12, 2015**. Contact [JDNBonneau@charter.net](mailto:JDNBonneau@charter.net).

\*\*\* SC4 – ISO/DIS 9241-940 – Ergonomics of human-computer interaction – Evaluation of tactile and haptic interactions. Vote and comments due **April 20, 2015**. Contact [ergojim@earthlink.net](mailto:ergojim@earthlink.net).



\*\*\* SC4 – ISO/CD 9241-220 – Ergonomics of human-system interaction – Part 220: Processes for enabling, executing, and assessing human-centered design within organizations. Vote and comments due *May 22, 2015*. Contact [ergojim@earthlink.net](mailto:ergojim@earthlink.net).

### Upcoming Meetings

Standard/Group	Date	Location/Description	Contact
*** ISO/TC159/SC1/WG2	April 14–15, 2015	Berlin, Germany (also can be attended via WebEx) – To continue work on revision of ISO 10075-1 (mental workload concepts and definitions)	<a href="mailto:JDNBonneau@charter.net">JDNBonneau@charter.net</a>
ISO/TC159	April 23–24, 2015	Baltimore, MD – Plenary meeting	<a href="mailto:JDNBonneau@charter.net">JDNBonneau@charter.net</a>
*** ISO/TC159/SC1 and SC1/WG1	June [TBA], 2015	Düsseldorf, Germany – SC1 plenary meeting and meeting of WG1	<a href="mailto:JDNBonneau@charter.net">JDNBonneau@charter.net</a>
*** ISO/TC159/SC1/WG5	June 14–15, 2015	Anaheim, CA – Resolve comments on ISO/DIS 27500 and continue working on management and specialist level ergonomics process standards	<a href="mailto:JDNBonneau@charter.net">JDNBonneau@charter.net</a>
*** ISO/TC159/SC4/WG6	June 16–18, 2015	Anaheim, CA – Continue comment resolution on ISO CD 9241-11 (Usability) and resolve comments on ISO/CD 9241-220 (see above)	<a href="mailto:ergojim@earthlink.net">ergojim@earthlink.net</a>
*** U.S. TAG to ISO/TC159/SC3	July 23–24, 2015	Arthrotech, Yellow Springs, OH – Annual Meeting to review work and issues relevant to the SC3 TAG	<a href="mailto:Robert.r.fox@gm.com">Robert.r.fox@gm.com</a>

## ISO Ergonomics Technical Committee Nominated for Award

ISO/TC 159 - Ergonomics was among a group of 11 technical committees being considered for the 2014 Lawrence D. Eicher Leadership Award. This award “recognizes the significant contribution and superior performance of an ISO technical committee or subcommittee to the development of ISO International Standards.” Selection criteria considered by the award committee include effective leadership, effective coordination of the entire committee structure, use of innovative approaches, proactive project management and effective meeting support, and desire to promote the involvement of developing countries. The award went to another of the nominated technical committees.

HFES is the U.S. Technical Advisory Group (TAG) to ISO/TC 159 - Ergonomics. According to Daryle Gardner-Bonneau, chair of the U.S. TAG, one of the reasons for the nomination was the Technical Committee's longstanding efforts in the area of accessibility of systems, products, and services for older adults and people with disabilities. Not only did TC159 maintain an Advisory Group on Accessible Design for a number of years, it has worked, as a committee, to ensure that accessibility is considered across the standards development activities of its four subcommittees. In addition, TC159 was a major contributor in the development ISO/IEC Guide 71 (2014): *Guide for addressing accessibility in standards*.

## OPPORTUNITIES FOR MEMBERS

### NIOSH Human Factors Engineer Fellowship

The Division of Safety Research of the National Institute for Occupation Safety and Health (NIOSH), located in Morgantown, West Virginia, serves as the focal point for NIOSH's [traumatic occupational injury research program](#) and has announced an opening for a fellow. The division follows the public health model, melding in safety and engineering sciences. Epidemiologic methods are used to define injury problems and to focus intervention efforts, and safety and engineering sciences are used to address human factors issues and to develop and test control technology.

The selected fellow will conduct research associated with occupational driver safety. Placed in the Protective Technology Branch (PTB), the fellow will also participate in meetings and forums with staff from the branch and NIOSH Center for Motor Vehicle Safety. PTB has nine state-of-the-art research laboratories, including the Virtual Reality Laboratory and Vehicle Safety Laboratory, which serve as the NIOSH focal point for engineering and technology-based safety intervention research for reducing the incidence and severity of work-related motor vehicle crashes.

The fellow will conduct research that will lead to more focused recommendations to prevent occupational vehicle-related crashes and injuries. The nature of work includes the following:

- conducting literature reviews of vehicle safety practices and standards
- developing occupational driver safety research protocols
- conducting experiments
- participating in discussion on occupational motor vehicle-related injury prevention techniques and strategies
- preparing documents and publications to present findings from these activities.

The individual must have a master's or doctoral degree in human factors engineering, safety engineering, industrial engineering, transportation safety, or a similar engineering program. Knowledge and experience with transportation safety research is preferred. The successful candidate must have excellent written and oral communication skills, excellent interpersonal skills, and the ability to work in a team environment and independently. NIOSH is an equal opportunity employer. Non-U.S. citizens are eligible to apply. Salary will be based on education and experience and will likely range from \$45,057 to \$67,833.

For more information or to provide a CV or résumé, please contact Hongwei Hsiao, PhD, at [hxh4@cdc.gov](mailto:hxh4@cdc.gov) or 304/285-5910.

## Short Course on Human Factors Engineering and Patient Safety

The University of Wisconsin Center for Quality and Productivity Improvement and the University of Wisconsin School of Medicine and Public Health, Office of Continuing Professional Development in Medicine and Public Health present the [2015 SEIPS Short Course on Human Factors Engineering and Patient Safety: Human Factors and Sociotechnical Systems Engineering](#).

This five-day course takes place July 13–17 at the Lowell Center, University of Wisconsin-Madison, and presents nationally recognized speakers covering a variety of human factors engineering (HFE) and patient safety topics, including:

- HFE
- Sociotechnical systems and macroergonomics
- Cognitive ergonomics
- Work system redesign and implementation

The course is designed to provide an understanding of human factors and systems engineering and how this approach to patient safety can improve system performance and safety, prevent harm when error does occur, help systems recover from error, and mitigate further harm. In addition to didactic lectures, the course is organized with active participation, allowing for attendees to apply HFE concepts and techniques.

The course's target audience includes: physicians, physician assistants, nurses, information technologists, quality improvement specialists, pharmacists, CEOs, middle and upper managers, engineers, risk-management professionals, infection-control professionals, patient-safety officers, and other professionals interested in human factors engineering and patient safety. More information regarding the course is available [here](#).

## Auburn University Announces Two Short Courses

Two short courses will take place at Auburn University's Shelby Center for Engineering Technology next month.

A human factors short course on May 11 and 12 will provide the background and knowledge to apply human factors engineering concepts for safer processes. Topics include information input and processing, display of information, usability and system evaluation, controls and data entry, human factors in system design, and noise and motion.

An ergonomics short course will follow the human factors short course on May 13 and 14 and will provide useful and practical tools to prevent work-related injuries. Topics include costs of MSDs, MSD risk factors and anatomy, anthropometric exercises, work physiology tools and methods, causes and controls of low back pain, manual materials handling, design of pushing and pulling tasks, and effective job design strategies to control MSDs.

More details regarding the courses can be found at [http://www.soph.uab.edu/dsc/DSC\\_ErgoCourses\\_2015](http://www.soph.uab.edu/dsc/DSC_ErgoCourses_2015).

# White House Social and Behavioral Sciences Team Seeks Fellows and Associates

By Lewis-Burke Associates LLC

The White House Social and Behavioral Sciences Team has issued a call for fellows and associates to “translate insights from the social and behavioral sciences into concrete recommendations for how to improve federal programs, policies, and operations.” This activity is referenced on page 5 of the [President’s FY 2016 Budget Request](#).

These positions would be a great way for HFES members to engage directly in federal policymaking. Fellows tend to be researchers holding a PhD in a social science field who take leave from their university, government agency, or other position to serve in this capacity. Associates are researchers who are pursuing a PhD in a related field, or who have a master’s degree plus two or more years of relevant experience. Fellows and associates selected for this opportunity will begin in September 2015.

To apply, e-mail a CV, two references, and a relevant writing sample to [sbst@gsa.gov](mailto:sbst@gsa.gov), with “SBST [Fellow/Associate] Application” in the subject line. Include a one-page introductory cover letter explaining your interest in being a fellow or associate. Applications can be submitted directly on an applicant’s own behalf and are due **April 12**. The full notice is available at <http://1.usa.gov/1FykyUy>.

## CALENDAR

### Featured Events

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

[ErgoX: An Extraordinary Ergonomics Event](#), June 17–19, 2015, Anaheim, CA.

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

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

### June 2015

[12th International Naturalistic Decision Making Conference](#), June 8–12, 2015, McLean, VA.

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

### July 2015

[6th International Conference on Applied Human Factors and Ergonomics \(AHFE\)](#), July 26–30, 2015, Las Vegas, NV.

## HFES BULLETIN

Human Factors and Ergonomics Society

Volume 58, Number 4, April 2015

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The HFES Bulletin (ISSN 1527-3660) is published 12 times a year by the Human Factors and Ergonomics Society, 1124 Montana Ave., Suite B, Santa Monica, CA 90403 USA. Address inquiries and address changes to HFES, P.O. Box 1369, Santa Monica, CA 90406-1369 USA, 310/394-1811, fax 310/394-2410, <http://hfes.org>.

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.

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