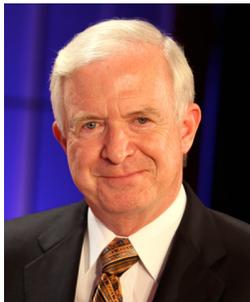




## ANNUAL MEETING

**2015 Keynote Address: The Carbon-Based Conundrum***John J. Nance*

This year's keynote will be presented by John Nance during the Tuesday morning Opening Plenary Session. Nance is a well-known advocate of using the lessons from the recent revolution in aviation safety to revolutionize the patient safety performance of hospitals, doctors, nurses, and others within the health-care domain. His talk, entitled "The Carbon-Based Conundrum," will deal with the concept that it is only through accepting the inevitability of error that we can eliminate human-caused disasters. As Nance puts it, "The key to zero disasters is zero denial."

Nance is a key thought leader to emerge in American health care who brings a rich and varied professional background to the task of helping doctors, administrators, boards, and front-line staff survive and prosper during the most profoundly challenging upheaval in the history of modern medicine. As one of the founders of the National Patient Safety Foundation in 1997, John helped pioneer the renaissance in patient safety, and his internationally renowned efforts, publications, and speaking engagements are dedicated to reforming American health care from what he terms a "reactive cottage industry" to an effective and safe system of prevention and wellness.

John earned his bachelor's degree and a Juris Doctor from Southern Methodist University (SMU) and was named an SMU Distinguished Alumnus in 2002 and a member of the distinguished Alumni for Public Service of the SMU Dedman School of Law in 2010. He is a decorated Air Force pilot veteran of the Vietnam War and Operation Desert Storm/Desert Shield and a Lt. Colonel in the USAF Reserve, renowned for his groundbreaking development of Air Force human factors flight safety education and as a civilian pioneer of crew resource management.

John is an internationally recognized advocate for air safety, serving as an aviation analyst for *ABC World News* and aviation editor for *Good Morning America*. He has appeared on numerous other TV news and commentary programs. He has authored 20 books, including the acclaimed *Why Hospitals Should Fly* (2009) and, with coauthor Kathleen Bartholomew, *Charting the Course* (2012).

## NIOSH Associate Director To Present 2015 Arnold M. Small Lecture in Safety



*Christine M. Branche*

On Wednesday, October 28 from 1:30 to 3:00 p.m., Christine M. Branche, Principal Associate Director of the National Institute of Occupational Safety and Health (NIOSH) and Director of the Office of Construction Safety and Health, will present “Construction Safety and Health as a Leading Indicator.” The construction industry is always dynamic and serves as a key indicator of the health of the U.S. economy. Construction is also the industry that illustrates key crossroads for occupational health and safety. Construction leads other industries in innovative approaches based on STEM disciplines, including the application of nanotechnology. Yet, this sector also leads in U.S. work-related death rates. Branche will raise important issues with a focus on

how to catalyze the momentum of this industry and address emerging safety and health challenges.

From July 2008 through August 2009, Branche was Acting Director of NIOSH. Upon joining NIOSH in 2007, she worked on the Energy Employees Occupational Illness Compensation Program Act of 2000 and its Advisory Board on Radiation and Worker Health. Prior to joining NIOSH, Christine was in the National Center for Injury Prevention and Control, first as an Epidemic Intelligence Service Officer and matriculating to the Director, Division of Unintentional Injury Prevention. Before coming to CDC, Christine worked extensively in occupational and environmental epidemiology. Her degrees include a BA in biology and an MSPH and PhD in epidemiology.

## Student Career and Professional Development Day

*By Kim-Phuong L. Vu and Linsey Steege, Student Affairs Committee Cochairs*

Monday, October 26, will be packed with helpful information targeted at today’s students and tomorrow’s HF/E professionals. Student Career and Professional Development Day at the Annual Meeting provides an opportunity for students to focus on career preparation. The theme of this year’s Student Career Day is finding jobs/internships and presenting your work to the public. The first two panels on jobs in academia and internships in industry will include recent graduates and successful professionals from universities, industry, and government agencies. The last session will feature an interactive presentation aimed at students and all attendees who would like to sharpen their media “pitches” regarding the value of their HF/E work.

As of this issue, the schedule for the 2015 Student Career Day is as follows:

10:30 to 11:45 a.m.

### **Panel 1: Academic Jobs and Interviews**

Chair: Linsey Steege, University of Wisconsin-Madison

What’s academia really like? How do you go about finding and securing an academic position that fits you? What are the opportunities for HF/E graduates in different disciplines? During this panel students will hear from current faculty from different HF/E-related programs about their experiences interviewing for academic positions, seeking life balance and success in academia, and different types of academic positions.

1:30 to 2:45 p.m.

**Panel 2: Getting an Internship or a Job in HF/UX**

Chair: Paul Derby, Facebook

Landing that first job in HF/UX can be a challenge. It's important to understand what experience to gain, how to find opportunities to gain that experience, how to apply for positions, and how to market yourself effectively. This panel consists of experienced HF/UX professionals who will discuss these topics and address questions from the audience.

3:30 to 4:45 p.m.

**Workshop 3: Simplicity Rules: How to Effectively Communicate Your HF/E Work to the Media**

Presenter: Gillian Renault, Renault Communications, LLC

Participants in this session, open to all Annual Meeting attendees, will be working in small groups to generate one-sentence descriptions of their work. Participants will also be engaged in a mock interview. Media tips and handouts will be provided. Additional details can be found in the [July 2015 HFES Bulletin article](#).

Please plan to attend this special event.

## **G.A.M.E.S.: Global Awareness & Mentoring of Ergonomics in Society**

*By Haydee M. Cuevas, Embry-Riddle Aeronautical University*

Over the years, HFES has launched numerous outreach and mentoring initiatives. These include National Ergonomics Month (NEM) in October and the Mentor-Mentee Luncheons and Early-Career Professionals Reception held during the Annual Meeting. Several technical groups have also initiated their own mentoring activities during the Annual Meeting.

G.A.M.E.S. (Global Awareness & Mentoring of Ergonomics in Society) seeks to extend these activities beyond the Annual Meeting and reach a wider audience. "Global" and "Awareness" expands NEM to an international level, and this would be a continuous, year-long effort rather than focusing on a specific month. "Mentoring" reflects the various mentoring programs at HFES but would link these activities to a larger-scale initiative such as an online mentoring portal. "Ergonomics" ensures continuity with NEM and appeal to an international audience. Finally, "Society" highlights that outreach efforts will target the general public in addition to members of our profession.

Two information sessions will take place during the 2015 Annual Meeting to introduce G.A.M.E.S. to attendees and will include a brainstorming activity to solicit ideas, with prizes for the most creative ones. All attendees are welcome and encouraged to attend. The sessions will be held in the Birds of a Feather meeting room on Thursday, October 29, from 7:00 to 8:00 a.m. and again from 5:30 to 6:30 p.m.

Contact [me](#) if you are interested in becoming involved in G.A.M.E.S. or simply wish to learn more about this proposed initiative.

G.A.M.E.S. is not yet an official HFES activity, and the information session will be used to generate ideas for this proposed initiative. Also, G.A.M.E.S. will be a comprehensive mentoring and outreach program and is not the same as the *Games to Explain Human Factors* activity developed by Ron Shapiro.

*Haydee Cuevas is an Assistant Professor in the College of Aviation Department of Doctoral Studies at Embry-Riddle Aeronautical University, Daytona Beach, Florida.*

## Call for NEM Action Plans

*By Joseph Keebler, Chair, National Ergonomics Month Subcommittee*



Before you know it, we will be in Los Angeles for the 2015 Annual Meeting and the 12th anniversary of National Ergonomics Month (NEM). We invite chapters and individuals to submit action plans related to outreach in their communities.

Plans can consist of any outreach activities, including workshops, volunteer work, community service, educational modules, community activities such as scavenger hunts, or any other activities or materials that aid in informing lay audiences

– young and old – about the human factors/ergonomics field and its contributions to the general public. We have had some [excellent submissions](#) over the years.

The action plans will be evaluated, and the top plans will be awarded Gold, Silver, or Bronze designations. To participate in the 2015 contest, please include the following information in a Microsoft Word document and e-mail it as an attachment to me at [joekeebler@gmail.com](mailto:joekeebler@gmail.com) by **September 1:**

- Title of the action plan.
- Proposer name(s), address, e-mail, and daytime phone number.
- Names of other professionals and/or students participating in organizing or implementing the action plan.
- Whether the entry is on behalf of an HFES local or student chapter. If so, please specify the chapter name.
- Brief description of the action plan. What activities are planned?
- Timeline for the action plan. When will it be implemented?
- Goal(s) of the action plan. What does it seek to accomplish?
- What audience(s) does the action plan target (e.g., community, students, corporations, government)?

Last year's Best Action Plan winners are invited to present their outcomes at the NEM EX-PO, which takes place on Monday, October 26, from 4:45 to 6:15 p.m.

### INSIDE HFES

## Newly Elected HFES Officers

HFES is pleased to announce the results of the 2015 election and congratulates the following newly elected officers and Executive Council members. Their terms will begin at the 2015 HFES Annual Meeting in Los Angeles.

***President-Elect***

Nancy J. Cooke, Professor, Arizona State University

***Secretary-Treasurer-Elect***

S. Camille Peres, Assistant Professor, Texas A&M University

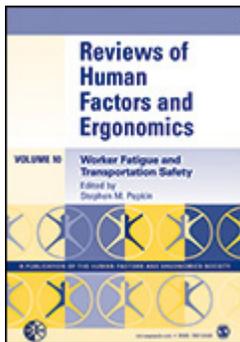
***At-Large Executive Council Members***

Kermit G. Davis, Associate Professor, University of Cincinnati (completing unexpired two-year term)

M. Susan Hallbeck, Professor, Mayo Clinic

David M. Rempel, Professor, University of California, Berkeley

## **Reviews of Human Factors and Ergonomics Volume 10 Just Released**



The final volume of the HFES series, *Reviews of Human Factors and Ergonomics*, is available in print. The book offers nine chapters from domain experts describing real-world, practical guidance for addressing worker fatigue and transportation safety. Members and nonmembers may purchase the print edition [here](#).

Editor Stephen M. Popkin notes, “The serious health, performance, and safety problems associated with fatigue have motivated policy makers and the transportation industry to seek a number of different approaches to dealing with the problem. . . . Yet despite over a half century of research and acknowledgment that working time and shift work is important for the health and well-being of . . . those in safety-critical positions, obtaining adequate rest continues to be a significant problem.”

Mark R. Rosekind, a member of the National Transportation Safety Board, notes in the Foreword and Introduction, “The chapter authors provide readers with a superb foundation of knowledge, tools, practices, and policies. They offer a deeper understanding of the challenges, gaps, and needs.”

Carmen Bianco, president, MTA, New York City Transit, says, “This book stimulates much-needed dialogue around fatigue management and hours of service, including the underlying science, behaviors, and culture, and will help inform forthcoming innovations in the way we lead safety within the transportation industry and beyond.”

Stephen M. Popkin is director of the Safety Management and Human Factors office at the U.S. Department of Transportation’s John A. Volpe National Transportation Systems Center in Cambridge, Massachusetts. He is also one of three Department of Transportation representatives to the National Institute for Occupational Safety and Health charged with helping that body develop the National Occupational Research Agenda for the transportation sector, with particular emphasis on fatigue.

## **Update on Congressional Activities**

*By Lewis-Burke Associates LLC*

Prior to adjourning for the August recess earlier this month, the House and Senate urgently worked to tie up loose ends, such as funding troubled highway and veterans' hospital accounts. The multi-issue bill, which passed the House, would prevent the scheduled expiration of federal funding for the nation's surface transportation projects, as well as services at hospitals administered by the Department of Veterans Affairs (VA). Specifically, the bill would provide \$8 billion to support, through October, the Highway Trust Fund, which reimburses states for part of the costs of highway and mass transit projects. The bill would also allow the VA to shift leftover money from an account that supports veterans who seek care outside the VA health systems to cover a shortfall in VA hospital services. Without action, the Highway Trust Fund was projected to expire on July 31, and VA hospital services were expected to be drastically cut in mid-August. The Senate passed the House bill on Thursday, July 30, as well as a separate, long-term measure to support highway and transit programs. Differences between House and Senate priorities for a long-term bill are expected to be addressed in a conference committee following the August recess.

On July 29, the Senate Committee on Homeland Security and Government Affairs reinforced the Obama Administration's push to increase public access to federally supported research findings by favorably reporting the *Fair Access to Science and Technology Research Act*. This act would require agencies that spend at least \$100 million a year on research to provide free online access to articles generated from the research they fund within one year of being published in an academic journal. The bill essentially codifies a 2013 directive from the White House Office of Science and Technology Policy to federal agencies and a policy the National Institutes of Health has followed for seven years. If passed, the bill would ensure that these policies remain intact through future administrations.

When Congress returns after Labor Day, the Senate will have 15 legislative days and the House will have 10 days before the fiscal year ends on September 30 and funding for the federal government expires. Providing funding for the government is chief among a long list of deadlines the Congress must meet, including replenishing the Highway Trust Fund and increasing the nation's borrowing limit by raising the debt ceiling. Both must be accomplished before the end of September to avoid an economically crippling infrastructure shutdown and default on government loans. Congress is expected to avert a government shutdown by passing a continuing resolution, likely to run until December, and to begin budget negotiations with the White House to provide relief from sequestration and the tight budget caps that limit discretionary spending for defense and nondefense accounts. Until these negotiations occur, passage of the fiscal year 2016 appropriations bills remains questionable, as both Senate Democrats and President Obama would like the spending caps raised or eliminated.

*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

### AsMA Annual Scientific Meeting Call for Papers

The theme for the Aerospace Medical Association's 87th Annual Scientific Meeting is "Human Performance and the Year of the Aerospace Medicine Professional." The meeting, which will take place April 24–28, 2016, in Atlantic City, New Jersey, is an opportunity to learn about the work of colleagues from around the world and to share the knowledge and wisdom that is gained in day-to-day work and practice.

Sessions will cover the latest findings in the fields of aerospace medicine and human performance, and related fields such as aerospace nursing and aerospace physiology. Main topic areas include human performance, clinical medicine, travel and transport medicine, space medicine, and safety and survivability. The meeting's [submission site](#) will open at the beginning of September and close on **October 31**. Questions regarding the abstract submission process should be directed to Pam Day at 703/739-2240, ext. 101 or [pday@asma.org](mailto:pday@asma.org).

## 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.

### October 2015

[46th Annual Conference of the Association of Canadian Ergonomists \(ACE\)](#), October 5–8, 2015, Waterloo, ON Canada.

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

[2015 International Design Congress & IFI XXVII General Assembly](#), October 17–23, 2015, Gwangju, South Korea.

[American Congress of Rehabilitation Medicine \(ACRM\) Annual Conference](#), October 25–30, 2015, Dallas, TX.

[International Multi-Conference on Engineering and Technology Innovation 2015 \(IMETI 2015\)](#), October 30–November 3, 2015, Kaohsiung, Taiwan.

### November 2015

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

**HFES BULLETIN** Human Factors and Ergonomics Society

**Volume 58, Number 8, August 2015**

Features Editor: Pamela Savage-Knepshield,  
[pam.savageknepshield@us.army.mil](mailto:pam.savageknepshield@us.army.mil)  
Communications Director/Advertising: Lois Smith, [lois@hfes.org](mailto:lois@hfes.org)  
Senior Production Editor: Steve Stafford, [steve@hfes.org](mailto:steve@hfes.org)  
General Information: [info@hfes.org](mailto:info@hfes.org)

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.

Copyright © 2015 by the Human Factors and Ergonomics Society.