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## This Next Year in HFES

*By Paul Green, HFES President*

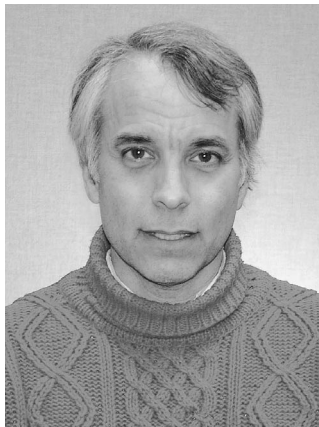
As past HFES presidents have taken office, they have written *Bulletin* articles describing what they hope to accomplish in their terms, and now that task falls to me. In recent years, those articles have concerned the grand, long-term vision. My goals and approach – which I hope the Executive Council, committees, members, and staff will support – focus on the short-term, first steps we can take to achieve the grand long-term vision outlined by previous presidents.

But what can the HFES president do? Some believe HFES works like the federal government, where the president has a great deal of power to order departments to do things. But the HFES president is not a grand imperial poobah, the big cheese, or an exalted ruler. The HFES president’s limited power encourages the development of consensus-based management and continuity across presidents, is consistent with democratic ideals, and maintains a member-centered focus.

To most members, HFES is the annual meeting and our flagship journal, *Human Factors*. The HFES staff and an outside company handle most of the meeting logistics. The Technical Program Committee coordinates sessions and program committees, and the technical groups select papers. The journal is a product of enormous effort from the editor (Nancy Cooke), associate editors, and reviewers. Both activities involve an incredible synergistic relationship with the HFES central/global/interplanetary office, especially with Lynn Strother, the executive director, and Lois Smith, the communications director.

So, what does the president do and how can he/she make a difference? The president is responsible for appointing most chairs to the roughly 30 HFES committees (with Council’s consent). About a third of the chairs change each year. Committees, grouped into domains to coordinate activities, are responsible for all meetings and publications, developing technical standards, recruiting and educating new members (as individuals and as parts of chapters), and promoting human factors/ergonomics and informing others about what HF/E is (see page 7).

Committee activities are essential to our viability as professionals. My collaboration with committees provides opportunities to achieve mutually desired goals concerning Society leadership, global outlook, committee effectiveness, electronic technologies, and best practices, all described in the paragraphs that follow.



**Goals for the Year**

*Goal 1:* Adjust the balance between academics and practitioners to better represent all our members. In our most recent strategic planning day, the Executive Council spent a great deal of time discussing the idea of supporting practitioners. HFES is a science-based society, so academic input to what we do is and will always be important. However, academia is overrepresented in the senior leadership. To adjust the balance, I have spent extra time finding appointees who have the desired experience, zest, and time; provided a diversity of background (e.g., cognitive vs. physical ergonomics) across committees; and are practitioners as well. Of the folks appointed so far, all but one are practitioners. The temptation is to focus on one’s immediate circle in making appointments, which for me would be University of Michigan alumni and folks conducting driving research, and that would be inconsistent with representing all members.

*Goal 2:* Determine in what ways becoming a global society is appropriate (and take the necessary steps as a consequence). Waldemar Karwowski, the president two terms back (“the previous, previous president”), described the vision of HFES becoming a global society. In some sense, we are global because we have members from all over the world and chapters outside the United States. But we are U.S.-centric. To encourage a more global

*continued on page 2*

It's  
National  
Ergonomics  
Month!

National  
Month

Ergonomics

For ideas about activities that raise awareness of the human factors/ergonomics field, visit the NEM Web site, <http://hfesnem.org/>. Then send the *HFES Bulletin* a description of your activity for publication in a future issue. E-mail your 500-word article to the HFES Communications Department, [lois@hfes.org](mailto:lois@hfes.org).

## *This Next Year in HFES*

(continued from page 1)

perspective, chairs have been encouraged to include committee members from outside the United States because of the benefits to all members and to nonmembers as well. For example, the HF/E message is much more likely to appear in the media in Europe and Asia if we have Media Relations Committee members there. However, there still is a need for considerable debate as to what it means to be a global society and how soon, if ever, that should occur. I do not know the answer, but members will.

*Goal 3:* Make committees more effective by measuring performance and outcomes and using those measurements to direct committee activities. Committee activities are guided by the Strategic Plan, the Operating Rules (and the domain leaders to whom they report), and Executive Council action items, but committees largely have the authority to determine what they do. Most committees are doing lots of good things, but we have no idea if their activities make a difference, and some get stuck in planning mode.

To this end, Jeff Kelly, immediate past president, emphasized knowledge-based governance, and we have taken some baby steps in that direction by identifying strategic goals. Our next step is to move from conjecture and opinion to data and evidence; to get each committee to identify desired, measurable outcomes; and then to have them measure how well their processes lead to those outcomes. For example, a media relations/outreach outcome might be for the staff of key members of Congress to know what human factors/ergonomics is. How do we get there? Who specifically are those people, and how do we measure that knowledge? And if we are to deal with the hypothesized aging of our membership and improve member diversity, we need demographic data on our current members and membership projections for various courses of action and expenditures.

In developing the measures to gauge our success, the value of the information must be balanced with the effort to collect it. What we need are good measurements that we can act upon now, not perfect measurements someday. This is not a science project. My personal goal is to have most HFES committees reporting measurable outcomes and processes (meaning data, not just what they would measure) by the 2009 Midyear Executive Council meeting.

*Goal 4:* Determine which new electronic technologies should

be used to support HFES members and implement those technologies. Over the last few years, many new forms of electronic communication have been developed: blogs, social networking sites such as Facebook and LinkedIn, podcasts, video conferencing, and so on. These forms of communication are popular with younger members and potential members and could provide value to those who might not otherwise join a professional society. Given concerns about an aging membership, appealing to younger members has elevated importance.

Jeff Kelly has started an initiative to consider these electronic technologies, and that effort needs to be expanded. The individuals who are most knowledgeable about these technologies are probably the most junior members of our Society. HFES needs to determine which forms will help us achieve our strategic goals in a cost-effective manner. A proposed implementation plan should be available for the next budget cycle in one year, with a task force on this topic reporting to the Executive Council by the midyear meeting.


*Goal 5:* Respond to a Veterans Administration request for scientifically based best practices for patient safety, and, if this initiative is approved, develop some documents in the next year. The Institute of Medicine report and others estimate that something on the order of 100,000 people die each year in the United States as a result of medical error. I have had several recent contacts with the patient safety experts at the VA, and they have approached HFES to develop several best practices to reduce medical error. The HFES Institute has a process to develop best practices. Now is the time to use it.

For the Society, this is an opportunity to really do some good and convert science into practice. Because of the substantial and immediate benefits these best practices could have, my personal goal is to have the Institute develop some of them within one year. However, the decision to move forward is the responsibility of the Institute Board of Supervisors and the Executive Council. At the annual meeting, the Board of Supervisors voted to form an exploratory committee to respond to the VA request.

So you can see that I do not have plans to solve global warming or bring world peace in the next year. The advice of Barry Beith, a previous president, was to select three or four goals for the year, and maybe one stretch goal, and not reinvent the grand vision. Sometimes, if you plan to reach the stars, all you do is plan, and you never get off the launch pad.

Serving the Society as president is an honor, but it is not an honorary position. Before I was willing to be nominated to be president of HFES, I received a commitment from the UMTRI management to “buy out” 20% of my time (from research, teaching, etc.) for one year to devote to HFES activities, which is a first in the 40-plus year history of UMTRI. (Somehow, this led to a rumor I was retiring, which is not true.)

Most of that time will be spent calling and e-mailing domain leaders, committee members, and others outside HFES to see how they are doing and what help they might need, and cajoling them to move ahead. We are all very busy, and our “day jobs” have priority, but HFES activities should not be limited to the period just



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# Bulletin

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before the annual and midyear Council meetings when progress reports are due. Quite frankly, there are a few things the Society does that must be done immediately (and those matters are attended to swiftly), but when matters languish for a long time, some gentle prodding is needed, which is my role. Maybe, as Bill Howell would say, the members are not yet a-hoopin' and a-hollerin' to achieve these goals, but there is recognition they all need to be done, and that will happen with your help.

IEA

## New IEA Human Factors and Sustainable Development Technical Committee

By Klaus J. Zink, HFSD-TC Chair

On July 15, 2008, the foundation of the new International Ergonomics Association Technical Committee on Human Factors and Sustainable Development (HFSD) was endorsed by the IEA Executive Committee. The TC is chaired by Klaus J. Zink (University of Kaiserslautern, Germany) and Colin G. Drury (University at Buffalo SUNY, USA).

### Purpose and Aims

The new HFSD Technical Committee will contribute to a broad societal discourse about the present and future development of working society, about opportunities and risks resulting from this development, and about the contribution of human factors/ergonomics (HF/E) to an economic, social, and environmental process of innovation in less developed countries as well as in industrialized ones.

The TC thereby aims to strengthen the cooperation and knowledge transfer from HF/E to the academic community regarding sustainable development. Through joint activities and research, the knowledge about the contribution of ergonomics to corporate and societal sustainability concepts will be improved. Additional objectives of the TC are to promote ergonomics as a stakeholder-oriented approach and thus its role in realizing sustainable development for the public at large.

### Why a Technical Committee on Human Factors and Sustainable Development?

Sustainable development – in its overall meaning as defined by the World Commission on Environment and Development (WCED) in 1987 – emphasizes meeting the human needs of the current as well as future generations. In particular, this anthropocentric perspective leads to joint objectives between HF/E and sustainable development (Zink, Steimle, & Fischer, 2008). Going back to Jastrzebowski and the roots of ergonomics, we can see that long before the modern global idea of sustainable development was born, ergonomics was defined as an approach that promotes the satisfaction of individual needs as well as the common welfare through the design of work systems.

We can thus state that the explicit reference to the concept of

sustainable development is relatively new to HF/E, but not the underlying ideas and approaches. The sustainability of human resources is based on enduring workability and employability, which have been dominant elements in HF/E.

Social sustainability is realized in concepts such as preventive occupational health and safety, human-centered design of work, empowerment, individual and collective learning, employee participation, and work-life balance. All these concepts aim to preserve or build up human capital, and they represent a conscious way to deal with human resources. In addition, they are conducive to a trustworthy corporate culture and thus are an investment in a corporation's social capital. In this sense, HF/E contributes to socially sustainable development and often also fosters productivity and effectiveness (Steimle & Zink, 2006).

However, sustainable development is a three-dimensional concept that emphasizes interdependencies and interrelations among economic, social, and environmental issues. Sustainable development involves overcoming conflicting goals among these dimensions. For human factors practitioners and scholars, this leads to the obligation to consider all three dimensions and their interactions during the analysis and design of work and organizations. When this is accomplished, prerequisites and impacts of work become relevant that are part not of an individual or a single corporation but, rather, refer to society or the natural environment.

### A Basis on Which to Build

HF/E in the field of sustainable development is currently being addressed by several initiatives and activities around the globe. For example, over many years, ergonomics has played an increasingly important role in the improvement of living and working conditions in industrially developing countries. Through basic improvements at the workplace level, ergonomic interventions can thus “reverse the negative spiral” of physically exhausting work, low productivity, and income leading to poor living conditions and health problems (Scott, 2008). The same is true for more macroergonomic approaches as participatory-oriented training promotes voluntary actions and self-help using locally available resources (Kawakami, 2007; Kogi, 2008). In industrialized countries as well, macroergonomic change management contributes significantly to the establishment of behavioral patterns for sustainability – for example, in consumption and energy use (Flemming, Hilliard, & Jamieson, 2008) and in promoting the diffusion of relevant organizational, technological, and societal innovations.

These examples demonstrate that the HFSD Technical Committee will not act in isolation but may benefit from existing activities and will provide a forum for further transfer and cooperation.

A further trigger for the initiation of the Technical Committee on Human Factors and Sustainable Development were papers and discussions from a March 2007 international symposium entitled “Human Factors and Comprehensive Management Concepts as a Precondition for Corporate Sustainability,” which was held at the University of Kaiserslautern, Germany. Leading scientists from around the world in the fields of HF/E and business excellence discussed issues of sustainability from their specific perspectives. The symposium showed that sustainability is a challenge for science and (operational) practice and requires interdisciplinary and comprehensive approaches. A symposium reader was published in spring 2008 (Zink 2008).

*continued on next page*

### Structure and Activities of the Technical Committee

There are three main activity areas for the TC: (1) development and improvement of knowledge and actions; (2) coordinated actions with other organizations dealing with the topic of sustainability; and (3) dissemination actions, including conference tracks, workshops, and publishing activities.

As with other IEA technical committees, this group consists of a steering group and subcommittees working on specific themes, which will be defined within an initializing session during the IEA Triennial Conference in Beijing in 2009. Coordination as well as dissemination actions will be planned and developed by the steering committee in collaboration with the subcommittees. Subcommittee chairs will plan and develop activities related to the development and improvement of knowledge and actions.

We invite IEA 2009 papers on the relationship between human factors and the various aspects of sustainable development. They could address, but are not limited to, equal integration of economic, social, and environmental aspects and objectives of work on a macro level; and human factors in approaches to corporate sustainability (e.g., corporate social responsibility, sustainable value chain management, stakeholder approaches). Submit abstracts at <http://www.iea2009.org> by **November 15, 2008**.

We encourage all interested members of the Human Factors and Ergonomics Society to join the group and support the common activities.

### References

- Flemming, S. A. C., Hilliard, A., & Jamieson, G. A. (2008). The need for human factors in the sustainability domain. In *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting* (pp. 748–752). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kawakami, T. (2007, November). *Participatory approaches to improving safety, health and working conditions in informal economy workplaces: Experiences of Cambodia, Thailand and Viet Nam*. Presented at Interregional Symposium on the Informal Economy – Enabling Transition to Formalization, Geneva, Switzerland.
- Kogi, K. (2008). Participation as precondition for sustainable success: Effective workplace improvement procedures in small-scale sectors in developing countries. In K. J. Zink (Ed.), *Corporate sustainability as a challenge for comprehensive management* (pp. 183–198). Heidelberg: Physica Verlag.
- Scott, P. (2008). The role of ergonomics in securing sustainability in developing countries. In K. J. Zink (Ed.), *Corporate sustainability as a challenge for comprehensive management* (pp. 171–181). Heidelberg: Physica Verlag.
- Steimle, U., & Zink, K. J. (2006). Sustainable development and human factors. In W. Karwowski (Ed.), *International encyclopedia of ergonomics and human factors* (2nd ed., pp. 2258–2263). London: Taylor & Francis.
- World Commission on Environment and Development. (WCED). (1987). *Our common future*. Oxford, UK: Oxford University Press.
- Zink, K. J. (2008). *Corporate sustainability as a challenge for comprehensive management*. Heidelberg: Physica Verlag
- Zink, K. J., Steimle, U., & Fischer, K. (2008). Human factors, business excellence and corporate sustainability: Differing perspectives, joint objectives. In K. J. Zink (Ed.), *Corporate sustainability as a challenge for comprehensive management* (pp. 3–15). Heidelberg: Physica Verlag.

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## 2008 HFES Fellows and Awardees

The Human Factors and Ergonomics Society elected six Fellows and one Honorary Fellow and presented 10 awards during the Opening Plenary Session on September 23 during the HFES 52nd Annual Meeting.

**Nadine B. Sarter**, University of Michigan; **Randall J. Mumaw**, Boeing Commercial Airplane Group; and **Christopher D. Wickens**, Alion Science and Technology Corp., received the Jerome H. Ely *Human Factors* Article Award for their paper, “Pilots’ Monitoring Strategies and Performance on Automated Flight Decks,” Volume 49, Number 3, June 2007. The paper identifies a key source of potential aviation accidents in a study that connects fixation frequency and dwell time to mode errors, producing recommendations with a tremendous potential for practical application.

**John R. Wilson**, University of Nottingham, received the 2008 Distinguished International Colleague Award, which recognizes his efforts in developing and promoting HF/E education internationally; for his contributions to theoretical concepts in participatory ergonomics, safety, and design of technologies and systems; and for practical applications and impact in many diverse industries and situations.

For decades of effort and success, **Peter A. Hancock**, University of Central Florida, was honored as the 2008 recipient of the Paul M. Fitts Education Award, which recognizes a person who has made exceptional contributions to the education and training of human factors specialists.

The recipient of the A. R. Lauer Safety Award, **Linda S. Angell** of General Motors Corp, was honored for her tireless and outstanding contributions to, and leadership in, the human factors of traffic safety, not only within General Motors but also within the automotive industry nationally and internationally.

Receiving the 2008 Alexander C. Williams, Jr., Design Award are the Center for Innovation in Construction and Health Research Team, Virginia Tech, codirected by **Brian M. Kleiner** and **Tonya L. Smith-Jackson**. An interdisciplinary team consisting of faculty and graduate students from the center and UPS subject matter experts joined together in an innovative industry–university collaboration to design and develop UPS Integrad – a training system to support workers’ well-being, safety, and quality of life.

**Jason Telner**, York University, received the Alphonse Chapanis Best Student Paper Award for his annual meeting paper (coauthored with David L. Wiesenthal, Ellen Bialystok, and Martin York), “Is There a Bilingual Advantage When Driving and Speaking Over a Cellular Telephone?”

The 2008 Jack A. Kraft Innovator Award was presented to **Gary A. Klein**, Klein Associates, who is honored for his work on the articulation, development, theory, and application of naturalistic decision making, which has garnered a world of collaborators and practitioners from many areas of endeavor.

**Tiffany S. Jastrzembki**, U.S. Air Force Research Lab, and **Neil H. Charness**, Florida State University, received the Best *Ergonomics in Design* Article Award for their 2007 article, “What Older Adults Can Teach Us About Designing Better Ballots.” The article helps fulfill the outreach mission of *Ergonomics in Design* by



*Linda S. Angell*



*Deborah A. Boehm-Davis*



*Barrett S. Caldwell*



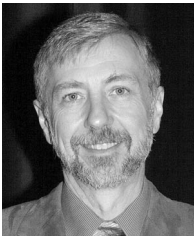
*Sheryl L. Chappell*



*Patricia R. DeLucia*



*F. Thomas Eggemeier*



*Wayne D. Gray*



*Peter A. Hancock*



*Gary A. Klein*



*Brian M. Kleiner*



*Daniel G. Morrow*



*Randall J. Mumaw*



*John Brian Peacock*



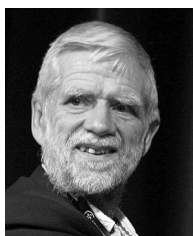
*Nadine B. Sarter*



*Tonya L. Smith-Jackson*



*Jason Telner*



*Christopher D. Wickens*



*John R. Wilson*

addressing the large potential impact of what the general population might see as slight variations in ballot design in the voting process.

The recipient of the 2008 Oliver Keith Hansen Outreach Award is **Deborah A. Boehm-Davis**, George Mason University, who is honored for her work in advocating for the value of the discipline of human factors/ergonomics to audiences ranging from congressional panels to groups of elementary school students.

HFES President John F. "Jeff" Kelley presented the Arnold M. Small President's Distinguished Service Award to **F. Thomas Eggemeier**, dean of the Graduate School, University of Dayton, for his career-long contributions that have brought honor to the discipline and the Society.

Newly elected Fellows are **Barrett S. Caldwell**, associate professor at the School of Aeronautics and Astronautics, Purdue University; **Sheryl L. Chappell**, senior research associate at SA Technologies; **Patricia R. DeLucia**, coordinator of the human factors psychology program at Texas Tech University; **Wayne D. Gray**, professor and director of the CogWorks Laboratory, Cognitive Science Department, Rensselaer Polytechnic Institute; **Brian M. Kleiner**, professor, Grado Department of Industrial and Systems Engineering, and faculty member, Myers-Lawson School of Construction, Virginia Tech; and **John Brian Peacock**, professor, Department of Safety Science at Embry-Riddle Aeronautical University, Prescott, Arizona.

The newest Honorary Fellow is **Daniel G. Morrow**, associate professor at the Institute of Aviation, University of Illinois at Urbana-Champaign.

## STUDENT VIEWS

### Student Chapters and Members Honored in New York City

*By Sandra Garrett, Student Affairs Committee Chair*

I am pleased to announce the winners of the 2008 HFES Student Member With Honors designation and Student Chapter Awards. The awards were presented during the Student Reception, held on September 23 at the New York Marriott Marquis Times Square.

#### Student Member with Honors

The following students made outstanding contributions to the discipline and/or HFES during their tenure as a student, as evidenced by accomplishments such as presentations at national or international conferences, contributions to industry projects, publication in an approved journal, and significant service to HFES:

Linsey M. Barker, Virginia Tech; Jane H. Barrow, George Mason University; Ashley J. Benedict, Purdue University; Jasmine L. Duran, Arizona State University; Thomas D. Fincannon, University of Central Florida; Mahiyar F. Nasarwanji, University at

Buffalo, SUNY; Michael Rosen, University of Central Florida; Arathi Sethumadhavan, Texas Tech University; Randall D. Spain, Old Dominion University; Yi-Fang Tsai, George Mason University; and Ewart J. de Visser, George Mason University.

### Best Student Chapter Award

Three levels of recognition are based on contributions and achievements in 13 areas, including recruitment, outreach, collaboration, service to HFES, information dissemination, mentorship, and creativity. The following student chapters were honored:

**Gold:** California State University, Long Beach; George Mason University; North Carolina State University; Old Dominion University; Purdue University; Texas Tech University; University of Toronto; University of Virginia; and Virginia Tech. **Silver:** Clemson University; Ohio State University; San Jose State University; University of Central Florida; and University of Idaho. **Bronze:** University of Iowa.

Congratulations to the 2008 awardees! I encourage you to think about your activities in the coming year and to submit an award application for next year's honors. The call for applications will be published in the April 2009 *HFES Bulletin*.

## FELLOWS

### Applications for Fellow Invited

The Human Factors and Ergonomics Society's Fellows Selection Committee invites applications for Fellows and Honorary Fellows to be elected in 2009. "Fellow" is a special class of Society membership, as established in the Bylaws, Article I, Section 4. Individuals may apply for Fellow status on their own behalf, or they may submit an application on behalf of another.

Election to Fellow status is an honor that recognizes outstanding achievement, consistently superior professional performance, exceptional contributions, service to the Society, and other meritorious accomplishments. For Honorary Fellows, there is no criterion of service to the Society. Any Full Member of the Society in good standing (except members of the Fellows Selection Committee) may apply or nominate by completing the application forms for Fellow. No limitation is placed on the number of times a Member may be considered for election to Fellow or Honorary Fellow.

Prospective applicants should carefully review the rules and regulations for Fellow designation and the guide for preparing the contribution statement in the application package prior to initiating the process.

Applicants must obtain recommendations of support for the candidate from three other Full Members. The meritorious contributions of the applicant must be detailed in the application form and must be supported by evidentiary documentation included with the package.

The Fellow Application Package, including instructions, nom-

ination and recommendation forms, and supporting information, may be obtained from HFES, P.O. Box 1369, Santa Monica, CA 90406-1369, carlos@hfes.org and on the Fellows page of the HFES Web site (<http://www.hfes.org/web/Awards&Fellows/fellows.html>). The completed application package (application form, recommendation form, candidate's vitae or résumé, and supporting documentation) must be received by the Fellows Selection Committee at the HFES Central Office on or before **February 1, 2009**. Applications approved by the Fellows Selection Committee, chaired by Hal Hendrick, and the Executive Council are recommended for approval by the Fellows at large. Candidates who are approved at all three levels will receive Fellow designation at the 2009 Annual Meeting.

## EXECUTIVE COUNCIL

### Executive Council Meeting Report

The HFES Executive Council held its 2008 annual meeting on September 20–21 at the New York Marriott Marquis Times Square. Following is a summary of Council's discussions and actions.

#### Chapters

HFES welcomes the newest student chapter, at California State University, Northridge. The current officers are Wei-Ting Xie, president; Jumshud Zulfugarli, vice president; Patrick R. Martin, treasurer; Risako Morawiec, secretary; Mami Inoue, Webmaster; and Barry L. Berson, faculty adviser.

Council approved changes to the bylaws of the University of Idaho Student Chapter.

#### Membership

New members were approved in the following categories: 4 Affiliates, 26 Associates, 89 Full Members, and 66 Student Affiliates.

Changes in membership status were approved as follows: 8 Affiliate to Associate, 7 Affiliate to Full Member, 14 Associate to Full Member, 1 Fellow to Emeritus Fellow, 1 Full Member to Emeritus Member, 286 Student Affiliate to Transitional Associate, 1 Transitional Associate 1 to Transitional Associate 2, 41 Transitional Associate 2 to Associate, and 45 Transitional Associate 2 to Full Member.

#### HFES Organizational Chart

The full list of domain and committee chairs may be found on page 7.

#### Publications

Council endorsed the Publications Committee's recommendation of Douglas H. Harris as the new *Reviews of Human Factors and Ergonomics* series editor, to replace Raymond S. Nickerson, who served two terms. Doug will be responsible for developing Volumes 7 through 10 (he is also editor of Volume 6, to be published in 2010).

*Human Factors* Editor Nancy J. Cooke will continue as editor for one additional year as Council and the Scientific Communications and Publications Domain leader explore changes to the structure of the editorship. The Society is grateful to Nancy for her extended service.

## EXECUTIVE COUNCIL, cont.

### Technical Groups

Changes to the HFES Operating Rules designed to give technical groups more flexibility in allocating dues income to activities were approved, including increases in spending limits for TG awards.

### 2009 Budget

Council approved the following budget:

<i>Estimated Income</i>	
Membership Dues . . . . .	\$692,000
Member Services . . . . .	84,050
Communications/Publications . . . . .	441,850
Annual Meeting . . . . .	355,250
HFES Institute . . . . .	67,000
Miscellaneous Income . . . . .	12,700
<b>Total Estimated Income . . . . .</b>	<b>\$1,652,850</b>

<i>Estimated Expense</i>	
Member Services . . . . .	\$ 64,950
Communications/Publications . . . . .	341,750
Administrative . . . . .	868,706
Committees . . . . .	110,850
Officers . . . . .	39,500
Annual Meeting . . . . .	92,500
HFES Institute . . . . .	47,250
Interorganizational . . . . .	42,065
<b>Total Estimated Expense . . . . .</b>	<b>\$1,607,571</b>
<b>Estimated Surplus . . . . .</b>	<b>\$ 45,279</b>

## INSIDE HFES

# 2008–2009 HFES Domain and Committee Leadership

At the September Executive Council meeting, the following HFES leaders were approved.

### Institute Domain

Bruce Bradtmiller, Domain Leader

Bruce Bradtmiller, HFES Board of Supervisors Chair; Thomas J. Albin, HFES 100 Committee Chair; Paul S. Reed & Harry E. Blanchard, HFES 200 Committee Cochairs; Daryle J. Gardner-Bonneau, U.S. TAG to ISO/TC 159 Chair; James R. Williams, U.S. TAG to ISO/TC 159 SC1 and SC4 Chair; Robert Fox, U.S. TAG to ISO/TC 159 SC3 Chair; Sheryl L. Chappell, U.S. TAG to ISO/TC 159 SC5 Chair; Cletis R. Booher, DoD TAG Liaison; Alan M. Poston, Human Factors Standardization Working Group Chair

### Internal Affairs Domain

Anthony D. Andre, Domain Leader

Barry H. Beith, Awards Committee Chair; David R. Lenorovitz,

Chapter Affairs Committee Chair; Christopher B. Mayhorn, Council of Technical Groups Chair; Hal W. Hendrick, Fellows Selection Committee Chair; Stephen M. Popkin, Membership Committee Chair; Betty M. Sanders, Professional Standards Committee Chair; Sandra K. Garrett, Student Affairs Committee Chair

### Meetings Domain

Philip J. Smith, Domain Leader

Hector M. Acosta & Barry P. Goettl, 2009 Annual Meeting Host Committee Cochairs; Cheryl A. Bolstad, Technical Program Committee Chair

### Outreach Domain

Deborah A. Boehm-Davis, Domain Leader

William C. Howell, Government Relations Committee Chair; William S. Marras, IEA Representatives Committee Chair; Sharnnia Artis, Diversity Committee Chair; Mark S. Hoffman, Interorganizational Outreach Committee Chair; Raegan M. Hoeft, National Ergonomics Month Committee Chair; Peter M. Budnick, Media Relations Committee Chair

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The Dept. of Psychology at Missouri Western State University invites applications for a tenure-track Human Factors Psychologist to begin Jan. or Aug. 2009. Required: Ph.D. The candidate will be instrumental in developing a new graduate option in Human Factors and Usability Testing as part of a Masters of Applied Science degree. Candidates will be considered at any rank, but all candidates must demonstrate potential for an active research program suitable for Master's level students. The position will entail teaching graduate courses in human factors research methods and user-centered design methods, as well as undergraduate and graduate classes in the candidate's area of expertise. Candidates will be expected to supervise student internships and theses, and develop and maintain relationships with local and regional businesses for internship purposes. Review of applications will begin on Oct. 6 and continue until the position is filled. Employment is contingent upon proof of the legal right to work in the U.S. This document must be provided prior to consideration/employment at the University. An appointment is not final until documents are provided. Qualified applicants should submit a letter of application, statement of teaching interests, evidence of teaching effectiveness, representative publications or technical reports, vita, transcripts, and at least 3 confidential letters of reference to Dr. Phil D. Wann, Chair, Dept. of Psychology, Missouri Western State University, 4525 Downs Dr., St. Joseph, MO 64507 or to wann@missouriwestern.edu. Web site: www.missouriwestern.edu AA/EOE.

## FACULTY POSITIONS IN INDUSTRIAL ENGINEERING

**POSITION:** Full, Associate, or Assistant Professor Levels

**DESCRIPTION:** The School of Industrial Engineering at Purdue University invites applications and nominations for multiple positions at all professional levels. Outstanding candidates in all areas of Industrial Engineering, including Manufacturing and Production Systems, Operations Research, Human Factors, and related areas are encouraged to apply. Additional information can be obtained from the following websites:  
<https://engineering.purdue.edu/IE/>  
<https://engineering.purdue.edu/Engr/Research/Initiatives/>

**REQUIREMENTS:** Research, teach graduate and undergraduate courses, and provide service to the University.

**QUALIFICATIONS:** Ph.D. in engineering, science, or a related discipline prior to the appointment.

**CLOSING DATE FOR APPLICATIONS:** The positions will remain open until filled.

**APPLICATION MATERIALS:** Applications should include (a) letter of interest (b) resume and (c) at least three (3) references. Materials should be submitted electronically to: <https://engineering.purdue.edu/Engr/AboutUs/Employment/Applications>. If you have difficulty submitting your application to this website, please contact Ms. Marion Ragland at [ragland@purdue.edu](mailto:ragland@purdue.edu). Review of applications will begin October 1, 2008. For full consideration, please submit application materials by March 15, 2009.

**CONTACT:** Questions may be addressed to:

Ms. Kirsty Mac Coll  
Administrative Assistant to the Faculty Search Committee  
School of Industrial Engineering  
E-mail: [kmaccoll@purdue.edu](mailto:kmaccoll@purdue.edu)

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# Bulletin

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## FLASH!

### Celebrate National Ergonomics Month & Global Ergonomics Month 2008!

Spread the word about human factors/ergonomics at your local high schools, colleges, and places of business. Visit the HFES NEM Web site (<http://hfesnem.org>) and the IEA site ([http://iea.cc/browse.php?contID=global\\_ergo\\_month](http://iea.cc/browse.php?contID=global_ergo_month)) for ideas and materials.

### World Usability Day: November 13, 2008

The theme for 2008 World Usability day is Transportation. Visit the WUD Web site at <http://worldusabilityday.org/>.

### Fellows Nominations Open This Month

The due date for nominations is February 2, 2009. See the article on page 6.



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