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HFES Delegation to China Finds Common Ground, Shared Concerns

By Lynn Strother, HFES Executive Director

With China seemingly making headlines every day, and with an HFES strategic initiative to be a more global society, this past April was a particularly auspicious time for a delegation of 16 colleagues and guests to explore some of what that huge country has to offer, both professionally and culturally.

Planning for our program started in November 2006, when I received an e-mail from People to People International (PPI), a non-profit organization founded in 1956 by Dwight D. Eisenhower to promote cross-cultural understanding through the efforts of individuals. PPI's "Ambassador Programs" involve groups from technical and scientific associations traveling to an overseas destination, engaging in dialogue with professional counterparts there, and experiencing aspects of the history and culture of the host country. Having participated in such an exchange in China in 2006 with a group of association executives, I was eager to return with a group of HF/E researchers and practitioners.

Formation of the Delegation

PPI sent invitations to HFES members and to the members of a number of related organizations. The group of people who responded was a wonderful cross-section of HF/E in terms of experience, professional expertise, tenure in the field, and even geography. The group included the following:

- Jeremy Guttman, a systems engineer with Boeing Company, Everett, WA
- Doug Harris, HFES past president and Fellow; chairman and principal scientist at Anacapa Sciences, a research and development firm in Santa Barbara, CA
- Peiyi Ko, a native of Taiwan and graduate student at the University of California, Berkeley
- HFES Fellow Jerry Krueger, of Krueger Ergonomics Consul-



The HFES delegation to China.

tants, Alexandria, VA, and Jerry's wife, Jessica Krueger, a Virginia retailer and information specialist at the Smithsonian Institution

- Corporate ergonomist Joan Kuenzi, who is manager for ergonomics at Ameriprise Financial Services, Inc., St. Louis Park, MN
- Rich Lawler, a risk management consultant with Arlington Associates, Novato, CA
- Industrial/organizational psychologist David Lyman of Summit Partners, Inc., Saginaw, MI, and David's wife, Nancy Parker, executive director of the

- Children's Zoo at Celebration Square, also in Saginaw
- John Maynard, assistant professor of safety at the Community College of Baltimore, and John's wife, Judith Snyder, an administrator at the same institution
- Kathy Mosier, professor and chair of the Psychology Department, San Francisco State University
- Betty Murphy, a research psychologist with the U.S. Census Bureau, Washington, DC
- Marnie Myhre, injury prevention coordinator with Fairview Health Systems, St. Paul, MN
- Richard Taylor, a risk management services consultant working for United Heartland Insurance, Channahon, IL

Delegates completed a survey of their interests so our hosts could select locations and professional counterparts in China that would meet the delegation's information needs. This proved to be quite a challenge, given the delegates' varied backgrounds, but we ended up with a good mix of professional organizations, universities, and research institutes.

What was most surprising to the Chinese organizers was the unprecedented level of interest that our Chinese counterparts expressed in coming to meet and talk with us. In most cases, the

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HFES Delegation to China...

(continued from page 1)

typical PPI delegation is met by 2 to 4 hosts at each location. For our delegation, the average was about 10, and that was limited by the size of the meeting rooms.

Our Itinerary

Our itinerary included visits to three cities: Beijing, Nanjing, and Shanghai. We arrived on Sunday, April 8, at the new Beijing Airport Terminal 3, the world's largest enclosed structure. After a quick and efficient entry, we met at our hotel for a welcome dinner – our introduction to the delicious multicourse Chinese meals that would be standard for the rest of the tour. The next morning, we received a briefing on the history and geography of China by our delightful National Guide and interpreter, Ms. Hou Liping (Wendy), who continually amazed us with her ability to grasp and interpret for us and for our hosts the numerous scientific and technical terms, both from English to Chinese and from Chinese to English. Wendy, a former professor of English at a university, served as translator during all of our technical and most of our cultural activities.

At each professional exchange, one member of the delegation was assigned the task of recording a meeting journal. A brief summary of those exchanges follows.

Beijing. Our first professional exchange was with officials from the **Astronaut Research and Training Center**. The center's vice director, Mr. Bai Yanqiang, introduced us to the center and its programs via a short film. This was followed by a conversation on the center's human factors research and dialogue on such topics as automation, motion sickness, human-computer interaction, funding of HF/E research, standards, and certification.

The next morning, we visited the headquarters of the **Chinese Ergonomics Society (CES)**, where we were warmly greeted by President Wang Sheng, MD, MPH, who presented information about the history and structure of CES, which has grown from 200 members in 1989 to more than 800 members today. Professor Wang is also serving as general chair of the 2009 IEA Triennial Congress (<http://www.iea2009.org>). He gave a progress report on that meeting, to be held in Beijing on August 9–14, 2009.

The delegates heard an overview of standardization efforts in China from Dr. Xin Zhang of the China National Institute of Standardization (CNIS). Dr. Zhang spoke of increasing support from the Chinese government in the effort to build a “human-oriented society.” Major areas of CNIS research include human characteristics and human modeling, usability of information technology and methods for evaluating usability, and accessible design. Current projects in the CNIS ergonomics laboratory deal with anthropometry, biomechanics, usability, acoustics, and virtual reality. The follow-up conversation focused on anthropometric data collection, standards, affective ergonomics, injury prevention, and certification.

That afternoon we traveled to **Tsinghua University**, home of the HFES China Chapter, where we met with Professor P. L. (Patrick) Rau, the chapter's adviser and director of the Institute of Human Factors and Ergonomics within the Department of Industrial Engineering. The department has two other institutes, the Institute of Operations Research and Logistics and the Institute of Production Engineering. Gavriel Salvendy is chair of the department, which was established in 2001. Tsinghua is known as the “MIT of China,” and the high caliber of student work was evident in the laboratories we toured, focusing on driving safety, usability, virtual reality, and physical ergonomics. In each lab we heard excellent presentations by the program's graduate students on their current research.

Nanjing. Our second stop was the city of Nanjing, once the capital city of China. Our first professional visit was with a group of professors and students from the Department of Industrial Design at **Nanjing University of Technology**. Our host was Professor Zeng Yong, director of the department. The conversation focused on bridging the gap between science and practice, as well as on such standardization efforts as building codes. Our counterparts were enthusiastic about having future communication with us, as they felt they had much to learn regarding the translation of research to practice.

That day, we also traveled to the **Nanjing University of Aeronautics and Astronautics (NUAA)**, where we heard a presentation on the history and programs of that university, one of the premier research institutions in China. Founded in 1952, and situated on the site of the ancient Ming Palace of Nanjing, NUAA primarily offers courses in applied science, management, humanities, and social sciences, combined with aeronautics, civil aviation, and astronautics. The university has more than 2,700 faculty members and 26,000 students. Our professional counterparts, a full complement of deans and department heads, were eager for information on human factors. We were encouraged to translate more of our materials into Chinese so that they would be more readily accessible to researchers, and our conversation focused on human factors issues in environmental, industrial, and aerospace design.

Shanghai. Our initial professional exchange in Shanghai was at the Psychology Department of **East China Normal University (ECNU)**, which was one of the first such departments established



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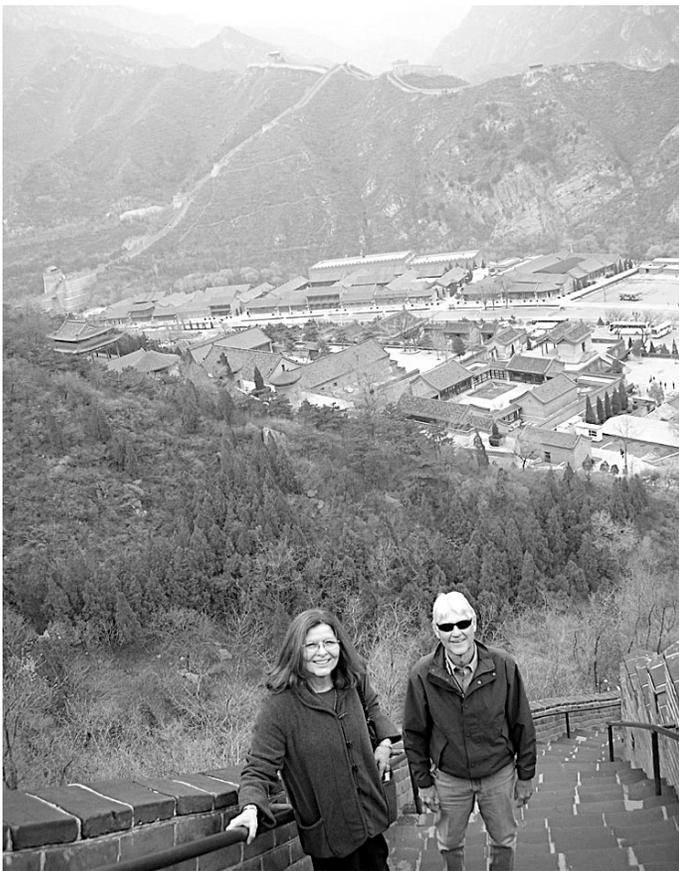
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Lynn Strother and Doug Harris walking the Great Wall.

in the country. Our primary hosts were Professors Liu Yongfang and Yan Wenhua, who introduced the university and its programs. ECNU collaborates with a wide range of institutions around the world and is building strategic partnerships in the United States and France. Areas of focus for the department include statistics and developmental and applied psychology, and university officials are in the process of establishing an independent college of psychology within the graduate school. In the applied psychology domain, areas of concentration include industrial/organizational, cross-cultural, and engineering psychology, among others. The professors and students presented summaries of their research, and a discussion followed on such topics as positive psychology, assessment, and the relationship between organizational psychology and business practice.

Our final professional exchange was at the headquarters of **UPA China**, an independent nonprofit organization leading usability development in China. Our host, Mr. Jason Huang, is UPA's president. Founded in 2004, UPA has branches in nine cities and 486 members who focus on product analysis, design, implementation, and evaluation. The leadership group is young and very energetic; they produce a newsletter, an annual conference, an annual salary survey, "user space" – an Internet-based platform for sharing material and experience – and an annual industrial report on usability in China.

As part of our exchange, Betty Murphy made a presentation on integrating usability with project plans for software engineering. A conversation followed on the gap between academic research and the practice of usability in China and the need for a better rela-

tionship between industrial designers and usability experts. Many common themes emerged, and discussion focused on ways in which more communication and cooperation could be realized between our two organizations.

So Much More...

Although this article focuses on our professional and technical exchanges, the delegation also had a chance to experience the history and culture of China through visits to the Great Wall, Forbidden City, Tiananmen Square, and Shanghai and Nanjing museums of art. We were graciously welcomed into the homes of Chinese people and saw artisans, acrobats, ancient gardens, temples, and even a Kung Fu show.

Members of the delegation were surprised, entertained, and educated, but we know that we barely scratched the surface. I think we would all love to return – perhaps for the IEA Triennial Congress next year – and we encourage others to explore this fascinating, dynamic country, which will undoubtedly be yet another "cradle of human factors and ergonomics" in the years to come. ☼

ANNUAL MEETING

Update on Housing

Although the discounted blocks of rooms at the Marriott Marquis Times Square and the Milford Plaza have reached capacity, there are a number of other options available in the Times Square area. Many members have had success locating rooms on such sites as Hotels.com, Orbitz, and Travelocity.

The Society booked the standard number of rooms at our headquarters hotel, but the extremely low rate at the Marriott caused us to sell out much earlier than usual, and the Marriott was unable to meet our request for additional rooms at that rate. We appreciate your understanding and patience with this situation, and we look forward to seeing you in New York City.

Daily Newsletter Items Wanted

The HFES 2008 Annual Meeting newsletter, *Times Square Tribune*, is now accepting items for publication during the Annual Meeting. Topics may include

- descriptions of demonstrations and descriptions of exhibits
- dates and locations for university reunions/gatherings during the conference
- features on invited speakers, other special guests, and retiring HFES members
- previews of panels, debates, and unique sessions
- information on student-related sessions and activities
- announcements of new academic programs
- information on TG special sessions and business meetings
- news of upcoming events, conferences, and books of interest to attendees.

We encourage e-mail submissions before the meeting; however, we will also welcome submissions from all attendees on site.

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Please submit dates and locations for university reunions or other meetings as early as possible.

If you would like to submit an article or learn more about how you can become involved with *Times Square Tribune*, please contact the newsletter chair, Doug Fox at defox@wichita.edu.

Times Square Tribune also invites exhibitors and any other interested parties to advertise in the newsletter. Contact HFES Communications Director Lois Smith at 310/394-1811, lois@hfes.org, for details.

Update on Student Roommate Matching

Students interested in the roommate-matching service for the Annual Meeting should contact Student Volunteers Cochair John Morris. The service has already produced some successful matches. If you need to find a roommate, send John an e-mail (john.morris@ttu.edu) and be sure to include all of the following information: name, gender, university, phone number, e-mail address, dates of attendance, and housing preference (location, rate, maximum number of students per room, smoking or nonsmoking).

Information from interested students will be compiled in a master list and updated regularly. Students are responsible for contacting those who match their preferences and for making their own lodging arrangements.

Annual Meeting On-Site Career Center

The HFES On-Site Career Center provides an outstanding opportunity for employers and job seekers to meet informally and in prearranged interviews. The Career Center hours for the 2008 Annual Meeting are Monday, September 22, 1:00 to 6:00 p.m.; Tuesday–Wednesday, September 23–24, 8:30 a.m. to 6:00 p.m.; and Thursday, September 25, 8:30 a.m. to 5:00 p.m.

Subscribers to the HFES online Career Center may reserve booths, tables, or both at the On-Site Career Center. For a reservation form, contact HFES by phone (310/394-1811) or e-mail (placement@hfes.org).

Employers are encouraged to post job openings on the HFES Web site (<http://hfes.org>) by August 2008. This will provide candidates the time to search the database and give employers time to review résumés and schedule meetings with potential candidates. **The scheduling of formal or informal interviews at the Annual Meeting is the sole responsibility of the employer.**

Candidates looking for a job or seeking new career opportunities are encouraged to post their résumés and search for jobs in the Career Center on the HFES Web site. This service is for HFES members only.

If you plan to be available for interviews at the Annual Meeting, bring copies of your résumé to the meeting and visit <http://www.hfes.org/web/CareerCenter/08planningtointerview.html> to see a listing of the employers who will be conducting interviews

during the Annual Meeting. Check back often, as this list is updated frequently.

Display Educational Materials

During the HFES 52nd Annual Meeting, representatives of graduate and undergraduate programs in human factors/ergonomics are invited to display brochures, applications, and other materials in an exhibit booth hosted by the HFES Education Technical Group and the Student Affairs Committee. The booth will not be staffed, but program representatives who wish to be present during exhibit hours may do so (limited to three people in the booth at any given time).

The Exhibit Hall will be open Tuesday, September 23, from 3:00 to 6:00 p.m.; Wednesday from 9:00 a.m. to 6:00 p.m.; and Thursday from 9:00 a.m. to 3:30 p.m. Any leftover materials must be picked up during teardown hours (Thursday, 3:30 to 8:30 p.m.).

To participate, simply bring your materials to the meeting and set them up in the designated booth. Questions may be directed to HFES Communications Director Lois Smith (lois@hfes.org, 310/394-1811, fax 310/394-2410).

Limited Space Available for University Lab Posters

Eight slots are still open on Tuesday, September 23, for university lab displays. The aim of this showcase is to demonstrate the variety of HF/E educational and research programs, not to describe a specific research project. (Descriptions of current projects may be sent to the HFES central office and are published in the *HFES Bulletin* on a space-available basis.)

To reserve a poster slot on September 23 (display hours are 3:30 to 5:00 p.m.), please send a short description of the display to Lois Smith at the central office (lois@hfes.org). Be sure to include the name and contact information for the person with whom HFES will coordinate to set up the display. ☒

DIVERSITY

Why Have Diversity in Human Factors/Ergonomics?

By Sharnnia Artis & Ryan Urquhart, HFES Diversity Committee

At the 2007 Town Hall Meeting held at the HFES 51st Annual Meeting in Baltimore, Past President Waldemar Karwowski presided over a brainstorming session that identified the following high-level strategic goals for the Society:

- Make HFES the central and premier source of human factors/ergonomics (HF/E) science and practice information,
- make HFES the acknowledged leader in science and practice for the other 80%, and
- practice what we preach.

As members of the Diversity Committee, we would like to focus our attention on the second strategic goal, “Make HFES the acknowledged leader in science and practice for “the other 80%.” *The other 80%*, adapted from Pareto’s 80-20 rule, refers to the idea that 80% of consequences come from 20% of the causes. We see this phenomenon in our HF/E practice; we focus our research efforts and develop products and services exclusively for the richest 20% (1.3 billion) of the world’s customers rather than for the other 80% (5.2 billion), which includes the world’s poor and marginalized populations.

Why Care About the Other 80%?

Private and public organizations and educational institutions are competing globally to effectively respond to emerging customer needs. To sustain a competitive and financial advantage, organizations and educational institutions alike will have to design products and services that are geared toward a global market – a market that isn’t limited to the richest 20% but one that is formulating cost-effective ways to increase access to food, water, energy, education, health care, affordable transportation, and shelter for individuals from underserved countries.

In order for organizations and educational institutions to compete globally, they will have to hire professors, designers, engineers, and scientists from diverse backgrounds. This will cultivate creativity and, thus, drive innovation.

Dimensions of diversity, often limited to race and ethnicity, will have to encompass other human qualities, such as age, gender, physical abilities/qualities, educational background, geographic location, income, marital status, military experience, work experience, and job classification, to name a few. Expanding the diversity of the workforce in the educational arena will provide HF/E professionals access to knowledge and methodologies germane to the design and development of products, systems, and models for a more inclusive population, which, in turn, will result in a competitive advantage in a global economy.

How Can We Use Diversity as a Competitive Advantage?

As HFES moves further into the 21st century, the Society must position itself as the premier source for state-of-the-art methodologies and theories, and cutting-edge technologies that cater to underrepresented and marginalized groups. In order to increase intellectual capital in this area, we need to reach out to researchers and practitioners from underrepresented and marginalized groups around the world by placing strong emphasis on recruitment in these areas.

Members can promote diversity within the organization by recruiting individuals from other educational communities (e.g., law, business), high schools, and geographic areas where HF/E is underrepresented (or even unheard of) and by promoting the professional benefits of joining HFES. You can take part in HFES-

established outreach initiatives, emphasize HF/E education in current initiatives, or institute your own program. Some of the HFES outreach initiatives include “Games to Explain Human Factors” (available at <http://hfesnem.org/presentations.htm>), HFES National Ergonomics Month (<http://hfesnem.org>), National Engineer’s Week (<http://www.eweek.org/>), and World Usability Day (<http://www.worldusabilityday.org/>).

There are many ways to incorporate HF/E into activities that you’re already involved in. For example, if you’re a mentor for a middle- or high-school student from an underrepresented background, you can give your mentee a hands-on demonstration about what it’s like to be an HF/E professional by inviting him or her to work with you. If you’re a mentor in academia, invite your mentee to tour your lab or volunteer as an undergraduate researcher. If your workplace or organization offers monthly seminars, invite colleagues from other fields (e.g., law, nursing) to an open discussion forum about how HF/E can have a positive impact on their career.

If none of these ideas appeals to you, consider starting your own program. Recently, student member Aleyda Mejia formed “Educating by Example,” a grassroots initiative for the Miami, Florida, community that focuses on education in science, technology, engineering, and math. Part of the initiative is dedicated to developing content and conducting human factors presentations that incorporate fun, thought-provoking, hands-on, relevant concepts and examples. Through this program, youth are encouraged, informed, and stimulated to engage in discussion about the human factors profession.

Using any of these examples, you have the opportunity to spark an individual’s interest in HF/E and expand the diversity of HFES. As leaders in the field, you are in a prime position to diversify your organization or team. HFES members must be effective leaders for our society, regardless of their involvement in the Diversity Committee. An effective leader advocates not on the basis of race or gender but on an individual’s value as a resource to his or her company or organization.

As the Society positions itself as a global leader in science and practice for the other 80%, we are committed to being innovative and increasing the diversity of HFES. Increasing membership diversity is a starting point toward establishing diversity as a competitive advantage for HF/E professionals in a competing global economy.

By making diversity one of our foundations, we will be able to better understand our diverse customers’ (and students’) needs, give customers and communities outstanding service, and deliver more value to our stakeholders. Moreover, we will be able to move into a greater realm of innovation, which will allow us to have increased impact on the world at large.

For questions or more information about the Diversity Committee, contact Diversity Committee Chair Sharnnia Artis at sartis@aptima.com.

Sharnnia Artis, Ph.D., is a human factors engineer with Aptima, Inc. Diversity Committee member Ryan Urquhart, Ph.D., is a human factors engineer at IBM-Tivoli.



Call for Student Award Applications

By *Sandra K. Garrett, Student Affairs Committee Chair*

The Student Affairs Committee is pleased to have the opportunity to recognize the accomplishments of, and service to the Society by, our students and student chapters through the Student Member with Honors Award and the Outstanding Student Chapter Award. To apply for these awards, students or chapters must send a completed application (see below) and supporting materials to arrive at the address listed at the end of this article on or before **August 15, 2008**. The awards committee will notify all award recipients by September 1, 2008. The award recipients will be recognized at the 52nd Annual Meeting in New York City this September.

Note that some of the criteria for the Student Member with Honors Award have changed. Student chapter recognition is an opportunity for all chapters to achieve various levels of recognition commensurate with their activities and achievements.

Student Member With Honors

This designation honors students who have made an outstanding contribution to the discipline and/or HFES during their tenure as a student. To qualify, students must meet *all* of the following eligibility requirements:

- Student membership in HFES
- Graduate student or class standing of junior or senior for an undergraduate
- Minimum GPA of 3.75 or its equivalent for graduate students (as evidenced by a transcript)
- Minimum GPA of 3.50 or its equivalent for undergraduate students (as evidenced by a transcript)
- Successful completion of at least three human factors–related courses with a grade of A or its equivalent (as evidenced by a transcript or letter from the instructor)
- Two letters of recommendation, at least one of which must be from a Full Member of HFES.

In addition, at least *two* of the following conditions must be met:

- A human factors–related presentation at a national or international meeting (provide photocopy from program or letter from adviser)
- Evidence of significant contribution to an industry project (e.g., product or system design, ergonomics program development, design award, patent)
- Publication of human factors work in an approved journal (e.g., *Human Factors*, *Ergonomics in Design*, *Applied Ergonomics*, or any other journal approved by the Awards Committee)
- Significant service to HFES at the Society-wide or local chapter level (provide letter from committee chair or officer of the group)

Student Chapter Levels of Recognition

In 2007, we instituted a new approach to recognizing the contributions and achievements of student chapters. Chapters will be judged on the number and quality of activities in which they engage across several categories (listed below). The levels of recognition are as follows.

- **Gold:** This level requires activity in at least 9 of the categories listed below.
- **Silver:** This level requires activity in at least 6 of the categories listed below.
- **Bronze:** This level requires activity in at least 3 of the categories listed below.

The list of activity categories and selected sample activities is shown below. (Note that we are open to a far greater number of activities for each category.) The creativity category allows chapters to uniquely define activities and provides an opportunity for some chapters to obtain a recognition level for which they not would otherwise qualify.

- **Recruitment** – increase the number of members in the chapter
- **Guest speakers** – invite outside professionals, professors from other universities, or professors from within the same university
- **Field trips** – visit nearby companies, industries, etc., to learn about new domains
- **Outreach/volunteerism** – participate in National Ergonomics Month; reach out to fellow students and to students in K–12; increase public awareness and promotion of HF/E in general
- **Collaboration** – work with other departments in your university or with other HF/E programs in nearby universities (e.g., local student conference)
- **Service to HFES** – participate on the Annual Meeting Host Committee or participate in either Annual Meeting student activities or Student Career and Professional Development Day
- **Exploration** – design or conduct research on projects taken on by the chapter; work together to solve some problem
- **Social** – participate in social activities put on by the chapter to foster interaction among members
- **Information dissemination** – use a Web site, mail group, Wikipedia, or similar vehicle to share information, promote a program, etc.
- **Student membership in HFES** – encourage chapter members to join HFES as Student Affiliate members
- **Mentorship** – mentor incoming and new students; participate in student orientation for incoming students
- **Continuous improvement** – improve the resources of the chapter (library, facilities, etc.)
- **Creativity** – utilize creative approaches to chapter activities

Chapters must provide supporting materials (three copies) that document the various activities of the chapter, the recognition level sought (Gold, Silver, or Bronze), and a supporting letter of recommendation from the chapter adviser. In addition, we encourage

STUDENT VIEWS, cont.

you to submit other materials that will support the application, such as brochures, announcements, or images from events, videos, and Web sites. (Please include all supporting material with the application, and provide sufficient detail for evaluation.)

Submitting Your Application

The deadline for receiving applications for both the Student Member with Honors and the Student Chapter Award is **August 15, 2008**. Please ensure that they are mailed in advance to provide adequate time to arrive by the due date. Applications may be obtained from the HFES Web site (http://www.hfes.org/web/Chapters/student_chapters.html). Send three copies of your completed application form plus supporting materials to Sandra Garrett, Student Affairs Chair, Clemson University, 130-C Freeman Hall, Clemson, SC, 29634-0920; garrett@clemson.edu. ☒

PEOPLE

Samuel “Keith” Adams (1938–2008), a dedicated educator in human factors/ergonomics, died on June 5, 2008. Keith earned a B.S. from Rensselaer Polytechnic Institute and an M.S. and Ph.D. in industrial engineering from Arizona State University. He was a professor at Oklahoma State University for 8 years prior to moving to Ames, Iowa, where he was a professor of industrial engineering in the Department of Industrial and Manufacturing Systems Engineering at Iowa State University for 32 years before retiring in 2006. Adams published broadly in the HF/E field on topics such as auditory warnings, inspection, heat stress, manual materials handling, and work measurement. More recently, his work focused on conservation and the environment. He was an active member of HFES, Sigma Xi Scientific Research Society, and the Izaak Walton League. In addition to his work in academia, Keith was an accomplished pianist, an avid model railroad collector/hobbyist, and a student of World War II history. He is survived by his wife, Eileen; his son, Douglas Scott Adams; and his daughter, Carey Margaret Adams Knouff.

Salvendy Receives Global Excellence Award

Gavriel Salvendy received the John L. Imhoff Global Excellence Award at the American Society for Engineering Education Annual Conference and Exposition, held in Pittsburgh, Pennsylvania, on June 25.

Salvendy is recognized as having made a major impact on industrial engineering education and practice worldwide. His international accomplishments include helping to develop the industrial engineering programs at the Danish Technical University in Lyngby, Denmark; Belgrade University in the former Yugoslavia;

and, at the invitation of the Chinese government, Tsinghua University in Beijing.

Each year, the award is given on the basis of outstanding contributions to the industrial engineering discipline, exhibiting the highest standards of the professorate in industrial engineering, and demonstrating global cooperation and understanding through leadership and other initiatives.

Salvendy is a Fellow of HFES and former recipient of the Paul M. Fitts Education Award.

Karsh and Holden Honored

Ben-Tzion Karsh and Rich Holden received the International Medical Informatics Association Best Paper Award in human factors for 2008. Their paper, “A Review of Medical Error Reporting System Design Considerations and a Proposed Cross-Level System Research Framework,” was published in the April 2007 (Vol. 49, No. 2) issue of *Human Factors*. ☒

MEMBERSHIP

List Your Consulting and Expert Witness Services

If you’re a Full Member or Fellow and provide consulting or expert witness services, HFES invites you to purchase a listing in the online Consultants Directory (<http://www.hfes.org/web/ConsultDirectory/Consultdirectory.aspx>). There are now 74 consultants with active listings.

Access to the Consultants Directory listings is free of charge to persons looking for consultants who visit the HFES Web site. The directory gets an average of 300 hits per month. The fees for an annual listing are \$150 for individuals and \$250 for companies; renewal rates for those already in the system are \$100 for individuals and \$200 for companies.

To place or renew a listing, go to <http://hfes.org> and access the members-only area of the site. (You’ll need your HFES member ID number, which appears on the mailing label of this publication.) If you have any questions, please contact the Member Services Department at 310/394-1811, membership@hfes.org.

Update Your Membership Information

HFES relies on you to keep your member record updated so we can keep you abreast of Society news and activities. Updating your record is easy: Just log in to <http://hfes.org> with your username and password and click “View/change my membership information.” Make sure to note any change to your e-mail as well your physical address. (If you have not previously logged in to the members-only section, you will first be prompted to create a hint question and answer.) Or you can simply notify the Member Services Department (membership@hfes.org, 310/394-1811, fax 310/394-2410). ☒

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Reviews of Human Factors and Ergonomics

Volume 3 Edited by Deborah A. Boehm-Davis



Volume 3 of *Reviews of Human Factors and Ergonomics* includes the most comprehensive and up-to-date material on six topics within the human factors/ergonomics field. The chapters are designed to be accessible to a wide audience and thus should be an excellent basis for an upper-level undergraduate or beginning graduate course in human factors, as well as a concise overview for practitioners.

The *Reviews* series is broader in scope than handbooks and deeper in detail than encyclopedias, and it includes both discipline-oriented and problem-oriented chapters.

Volume 3 contents:

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FLASH!

HFES Election

Election ballots are due back to HFES by **July 23**. Full Members and Fellows who have not received their ballot should contact Member Services at membership@hfes.org, 310/394-1811.

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