Human Factors and Ergonomics Society

Bulletin

Volume 43, Numbers 7–8 • July/August 2000

Contents

Standards 2
Inside HFES 2
News 3
Short Courses 3
Calls for Papers 4
Calendar 4

New Membership Benefit

by Diane de Mailly
HFES Membership Services Manager

HFES is pleased to introduce a new, on-line Directory of Members – for Society members only! It will be available shortly after you receive this *Bulletin* issue.

During your next visit to the HFES Web site (http://hfes.org), you will notice a new icon on the home page, resembling a rotary card file. Follow that icon to search the Directory of Members or to review your own membership information. To access this part of the site, you will need to provide your last name and member ID number. (A membership card was mailed to you after you renewed your 2000 dues. The card shows your member ID number.)

Our purpose in creating the on-line directory is to enable all members to (a) network effectively within the community of human factors/ergonomics professionals and (b) access current information throughout the year.

The print directory you received in May is an archival document that gives a snapshot of members as of February 1, 2000. The on-line directory contains more current information, and the on-line database will be updated twice a month.

Development of this directory was initiated by the Membership Strategic Plan Task Force, chaired by Mary Carol Day, and by the Membership Services Subcouncil, chaired by Betty Sanders. One of the priorities of our membership strategic plan was to develop and publicize benefits that are available exclusively to members.

Members of the Membership Services Subcouncil and other volunteers will be testing the site before it is launched. We look forward to comments and suggestions from the general membership regarding usability issues, and we will continue to make improvements and updates as needed.

Below are the features of the on-line Directory of Members.

- **Searching for Other Members –** You can search for other members by first name, last name, company/school, city, state, country, and technical group affiliation.

- **Viewing Contact Information –** The membership records include work and home contact information, highest degree, member type, and technical group affiliations. You can link directly to the member's e-mail address. You can also add a Web site address to your own on-line database record (just use the Change of Information form), and the URL will be linked so members can visit your Web site.

- **Reviewing Your Own Information –** Not only can you search for other members and retrieve current contact information, but you can also review your own file. The Update Form provides each member with the fields published in the on-line directory and/or the print directory. The form also provides information that is not included in the print directory but is used to track members' demographic details.

- **Download Membership Renewal Forms –** Link to Adobe Acrobat (PDF) files of renewal forms, which you can print out, complete, and mail or fax to HFES. On-line renewal is planned for early 2001.

- **Get Your Member ID –** If you've forgotten your membership ID or don't have it handy, submit the e-mail address in your membership file and your ID will be e-mailed to you automatically.

We hope you find the new directory useful and useable. The wonders of technology aside, the HFES staff still welcome your calls and inquiries and will gladly help you track down one of your colleagues or review the information in your membership file.

HFES-200 Software Receives Award

The Association of Access Engineering Specialists (AAES) has announced that the HFES 200 Committee is the recipient of its 2000 Excellence in Access "Access Advancement" Award. The committee, under the leadership of Paul S. Reed (Lucent Technologies), has completed a draft for canvass review, operating under the procedures of the American National Standards Institute (ANSI).

This effort represents the first formal standard for increasing the accessibility of software for users with disabilities. The accessibility document, which is the second part of a multipart standard on human factors engineering of software interfaces, provides design recommendations for features and functions of computer operating systems, drivers, application services, and applications that increase the accessibility of applications for users with disabilities. Although hardware is not specifically addressed by the design recommendations, the specifications in the standard have been formulated to enable a wide variety of assistive devices to utilize functions that are provided by operating system and application software.

This award recognizes significant innovative technical contributions to the access engineering profession as evidenced by significantly expanding the body of knowledge for access engineering; meaningfully establishing or expanding an area of the profession; and providing exceptional technical leadership in a major interdisciplinary project.

The goal of the AAES Excellence in Access Awards is to recognize individuals and companies that do an exceptional job of developing products and services that are accessible and usable by consumers with disabilities and to inspire others to do more by using award recipients as role models. Another goal is to reinforce the actions and mind-sets that are required to achieve the mission to developing products and services that are accessible and usable by consumers with disabilities.

An awards ceremony honoring this year's winners was held during the Rehabilitation Engineering and Assistive Technology Society of North America's (RESNA) 2000 Annual Conference, "Technology for the New Millennium," on July 2, 2000, in Orlando, Florida.

The accessibility draft standard and annex, as well as Part 1, "Introduction," may be ordered by contacting the HFES central office at 310/394-1811 or store@hfes.org.

For more information regarding the RESNA awards, visit http://www.resna.org/resna/resna2k/index.html.

Bulletin

Volume 43, Numbers 7–8 July/August 2000

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

Copyright © 2000 by the Human Factors and Ergonomics Society. Printed in the USA. The *HFES Bulletin* is provided to members of the Society ($10 of annual dues covers member subscriptions); nonmembers may subscribe for $40/year. Periodicals postage paid at Santa Monica, CA, and additional mailing offices. USPS #018-206.

Election Results

The ballots have been counted (869 received, 2921 ballots mailed), and the following individuals have been elected to serve three-year terms on the HFES Executive Council beginning in October 2001.

President-Elect
David L. Post
U.S. Air Force Research Lab

Secretary-Treasurer-Elect
Michelle M. Robertson
Liberty Mutual Research Center

Executive Council At-Large
Hal W. Hendrick
Hendrick and Associates

John Brian Peacock
General Motors Corp.

Valerie J. Gawron (filling two-year unexpired term of resigning member, Eduardo Salas)
Veridian Engineering

New Name and Site for CSERIAC

The Crew System Ergonomics Information Analysis Center (CSERIAC) has changed its name to Human Systems Information Analysis Center (HSIAC). For more information, visit the new HSIAC Web site at http://iac.dtic.mil/hsiac.

Central Office Closed

Please note that the central office will be closed July 27 through August 9, 2000, while staff is in San Diego for the Congress. Only urgent e-mail or voicemail messages will be returned during this time; nonurgent messages will be answered when staff return to the office on August 10, 2000.

Medical Design Awards Announced

The winners of the 2000 Medical Design Excellence Awards competition were announced on June 7, 2000, at the Medical Design and Manufacturing East Conference and Exposition in New York City. The annual competition recognizes product innovation, design and engineering excellence, end-user benefit, and cost-effectiveness in manufacturing and health care delivery. HFES participates as a supporting organization in the awards program.

The 29 winners were selected in 10 categories. Winning entries include the FAST 1, an adult intraosseous infusion system that facilitates the delivery of medication in time-critical emergency situations; Propyflex PVC-Free Bags, which are designed to eliminate the toxins and environmental hazards associated with traditional medical fluid bags; Weck Hem-o-Lok, a polymer ligating clip system that enhances the surgeon's speed and reduces open or endoscopic surgical procedure time; and the Careside Analyzer, a blood testing system that delivers rapid test results onsite, eliminating the wait for traditional laboratory analysis.

Washington Adopts Ergonomics Rule

On May 26, 2000, the State of Washington adopted an ergonomics rule that will enable employers to reduce workplace hazards that injure more than 50,000 Washington workers yearly and cost employers more than $411 million, according to the state Department of Labor and Industries.

Comprising eight features, the rule applies only to businesses with specific risk factors, including heavy lifting or highly repetitive motion. Employers will be required to evaluate jobs for potential risks and take steps to reduce employee exposure and provide basic ergonomic training.

A panel of independent experts will be established to ensure that the policies are clear and consistent before the rule is enforced. During the implementation process, which could take two to five years depending on the size of the business and type of industry, the workers' compensation system will remain intact and employers will be exempt from penalties or fines resulting from violations.

BCSP Salary Report Available

The Board of Certified Safety Professionals released its 1999 Salary Report. The report is based on data compiled from salary survey responses from more than 4200 CSPs and nearly 800 ASPs. The report features 170 breakout categories, including gender, education level, degree type, age, and industry. Pay levels, distribution, and comparisons to national survey data are also featured. For more information or to order a copy of the report, contact BCSP at 217/359-9263 or bcsp@bcsp.org.

Rogers Speaks at Congressional Briefing

Wendy A. Rogers participated in a panel discussion on geriatric mental health care entitled "Aging and Mental Health: What Does the Research Tell Us?" in Washington, D.C., on May 18, 2000. The briefing, sponsored by the American Psychological Association, the Congressional Older Americans Caucus, and the Older Women's Health Team of the Congressional Women's Caucus, sought to address the crisis of a booming geriatric population and the lack of quality mental health care in the United States.

Speaking to a standing-room-only crowd that included Congress members Carrie Meek (FL) and Tom Sawyer (OH), Rogers delivered her presentation, "Addressing the Technology Needs of Older Americans." She discussed the challenges facing older adults in using home health care equipment and emphasized the importance of human factors in designing equipment to meet the needs of older people.

For more information on the meeting, visit the APA Web site at http://www.apa.org/ppo/pi/agebrief.html.

SHORT COURSES

Ergonomics and Human Factors: Applications in Occupational Safety and Health (September 19–22, 2000): Harvard School of Public Health, Center for Continuing Professional Education, 677 Huntington Ave., Boston, MA 02115-6096; 617/432-1171, fax 617/432-1969; contedu@hsph.harvard.edu, http://www.hsph.harvard.edu/ccpe.

13th Annual Occupational Medicine Update (September 22–23, 2000): Deep South Center for Occupational Health and Safety, UAB, School of Public Health, Birmingham, AL 35294-2010; 205/934-7178; fax 205/975-7179; dsc@uab.edu, http://www.uab.edu/dsc.

Advanced Ergonomics Application Workshop (October 4–6, 2000): Dept. of Engineering Professional Development, University of Wisconsin-Madison, 432 N. Lake St., Madison, WI 53706; 800/462-0876, fax 608/263-3160; custserv@epd.engr.wisc.edu, http://epd.engr.wisc.edu/.

Ergonomic Guidelines for Computer Use: Strategies and Skills to Improve Office Safety (October 11–13, 2000): Harvard School of Public Health, Center for Continuing Professional Education, 677 Huntington Ave., Boston, MA 02115-6096; 617/432-1171, fax 617/432-1969; contedu@hsph.harvard.edu, http://www.hsph.harvard.edu/ccpe.

Ergonomics of Occupational Vibration (October 23–24, 2000): Deep South Center for Occupational Health and Safety, UAB, School of Public Health, Birmingham, AL 35294-2010; 205/934-7178; fax 205/975-7179; dsc@uab.edu, http://www.uab.edu/dsc.

Calls for Papers

CHI 2001

Tutorial submissions are being sought for CHI 2001, the conference on computer-human interaction, to be held March 31 to April 5, 2001, in Seattle, Washington. Tutorials relating to HCI are welcomed, including usability assessment, user interface development software, behavioral analysis, and modeling. Submissions are due *July 28, 2000.* Contact Armando Barreto, 10555 W. Flagler St., EAS-3956, Miami, FL 33174; 305/348-3711, fax 305/348-3707; chi2001-tutorials@acm.org, http://www.acm.org/chi2001.

STC Annual Conference

The Society for Technical Communication is accepting proposals for its 48th annual conference to be held May 13–16, 2001, in Chicago, Illinois. Areas of interest include education and training, information design, theory and research, and tools and technology. Proposals are due *August 1, 2000.* Contact STC, 901 N. Stuart St., Suite 904, Arlington, VA 22203-1822; 703/522-4114, fax 703/522-2075; stc@stc-va.org, http://www.stc-va.org.

Israel Conference on Aerospace Sciences

The 41st Annual Conference on Aerospace Sciences will be held February 21–22, 2001, in Tel Aviv and Haifa. Of interest are recent advances in aeronautical design, flight control, guidance and navigation, flight simulators, and testing and evaluation of aerospace sciences. Abstracts are due *October 10, 2000.* Contact Itzchak Frankel, Faculty of Aerospace Engineering, Technion-Israel Institute of Technology, Haifa 32000, Israel; +972 4 8292713, fax +972 4 8292713; alice@aerodyne.technion.ac.il, http://www.aero.technion.ac.il.

Calendar

Announcement deadlines: 1st day of the month prior to the desired issue; for events or deadlines within the first 3 weeks of a month, send information at least 2 months in advance. Items are published according to space availability.

★ **27th International Congress of Psychology,** July 23–28, 2000, Stockholm, Sweden. Vrjan Salling, XXVII International Congress of Psychology, Box 3287, S-103 65 Stockholm, Sweden; +46-8-696-9775, fax +46-8-24-7855; psych.congress.2000@psykologforbundet.se, http://www.icp2000.se.

IEA 2000/HFES 2000, July 30–August 4, 2000, San Diego, CA. Human Factors and Ergonomics Society, P.O. Box 1369, Santa Monica, CA 90406-1369; 310/394-1811, fax 310/394-2410; hfes@compuserve.com, http://iea2000.hfes.org.

★ **13th Annual Occupational Safety and Health Institute,** July 31–August 4, 2000, Oakland, California. University of California at Berkeley, Continuing Education Program, Center for Occupational and Environmental Health, UC Berkeley Richmond Field Station, 1301 S. 46th St., Building 102, Richmond, CA 94804; 510/231-5645, fax 510/231-5648; http://socrates.berkeley.edu/~coehce/.

★ **Measuring Behaviour 2000 – 3rd International Conference on Methods and Techniques in Behavioral Research,** August 15–18, 2000, Nijmegen, The Netherlands. Measuring Behaviour 2000 Conference Secretariat, P.O. Box 268, 6700 AG Wageningen, The Netherlands; +31 317 497677, fax +31 317 424496; mb2000@noldus.nl, http://www.noldus.com/events/mb2000/index.html.

★ **11th International Conference: Traffic Safety on Three Continents,** September 20–22, 2000, Pretoria, South Africa. Transportation Research Board, Richard Pain, 2101 Constitution Ave., N. W., Washington, D.C. 20418; 202/334-2960, fax 202/334-2003; rpain@nas.edu.

★ **20th International Display Research Conference,** September 25–26, 2000, Palm Beach, FL. Ralph Nadell, Society for Information Display, c/o Palisades Institute for Research Services, Inc., 411 Lafayette St., 2nd Fl., New York, NY 10003; 212/460-8090 x. 203, fax 212/460-5460; rnadell@newyork.palisades.org.

★ **SAE's Southern Automotive Manufacturing Conference and Exposition,** September 26–28, 2000, Lexington, KY. Society of Automotive Engineers, 400 Commonwealth Dr., Warrendale, PA 15096-0001; 724/776-4841, fax 724/776-0210; http://www.sae.org.

★ **RINA and Ergonomics Society's International Conference on Human Factors and Ship Design and Operation,** September 27–28, London, U.K. Royal Institution of Naval Architects, Conference Dept., 10 Upper Belgrave St., London SW1X 8BQ; +44 20 7235 4622, fax +44 20 7259 5912; tramsay@rina.org.uk, http://www.rina.org.uk.

★ **26th Triennial Congress of the International Commission on Occupational Health,** September 27–October 1, 2000, Singapore. ICOH2000, Dept. of COFM, Faculty of Medicine, MD3, National University of Singapore, Lower Kent Rd., Singapore 119074; ICOH2000@post1.com.

★ **The Best of Organizational Development Conference,** October 2–5, 2000, Naples, Florida. Linkage, Inc., P.O. Box 42099, Providence, RI 02940; 781/402-5580, fax 781/862-2355; http://www.linkageinc.com/odc2000.

★ *new listing.*

Bulletin

Volume 43, Numbers 7–8 July/August 2000

Communications Director: Lois Smith
Student News Editor: Kelly A. Spain
Publications Associate: Den'Al McElhiney
Advertising: R. C. Bublitz & Associates,
818/992-0366

POSTMASTER:
Send address changes to the *HFES Bulletin,*
Human Factors and Ergonomics Society,
P.O. Box 1369, Santa Monica, CA 90406-1369 USA,
310/394-1811, fax 310/394-2410.

General Information: info@hfes.org
Editorial/Advertising: lois@hfes.org
Placement Service: placement@hfes.org
Annual Meeting: lois@hfes.org

FLASH!

PLEASE NOTE:

Due to the IEA/HFES 2000 Congress, this issue of the *Bulletin* covers July and August. The next *Bulletin* you will receive will be the September issue.

IEA 2000 / HFES 2000:

- **Registration – At press time, more than 2000 people have preregistered to attend the Congress. If you still haven't registered, you can do so on-site at the Registration Counter, which will be located in the Marriott Lobby Lounge West at the San Diego Marriott Hotel.**

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.

Human Factors and Ergonomics Society
P.O. Box 1369
Santa Monica, CA
90406-1369 USA

PERIODICALS
POSTAGE PAID
AT
SANTA MONICA, CA
AND ADDITIONAL
OFFICES

Leftovers from Calendar

★ **Human Performance, Situation Awareness and Automation: User-Centered Design for the New Millennium,** October 15–19, 2000, Savannah, GA. David Kaber, Dept. of Industrial Engineering, P.O. Box 9542, Mississippi State University, MS 39762; kaber@engr.msstate.edu; or Mica Endsley, SA Technologies, Inc., 4731 E. Forest Peak, Marietta, GA 30066; mica@satechnologies.com, http://www.ie.msstate.edu/hpsaa/index.html.

★ **World Congress on Environmental Design for the New Millennium,** November 8–22, 2000, Seoul, Korea. INTERCOM Convention Services, Inc., 4FI. Jisung Bldg., 645-20 Yoksam 1-dong, Kangnam-gu, Seoul, 135-081, Korea; +82 2 3452 7291, fax +82 2 3452 7292; seoul2000@intercom-pco.co.kr, http://www.millenniumed.org.

★ **10th International Forum on Design Management Research and Education,** November 16–18, 2000, Frankfurt, Germany. Design Management Institute, 29 Temple Pl., 2nd Floor, Boston, MA 02111-1350; 617/338-6380, fax 617/338-6570; edonahue@dmi.org, http://www.dmi.org/conferences/forum00/index.shtml.