

Aging Technical Group

Summer 2005

FAREWELL MESSAGE FROM THE CHAIR

Darin Ellis

Aging Technical Group Chair

Associate Professor, Wayne State University

Well that was a very fast two years! I greatly appreciate the opportunity to serve the Aging TG over the last few years, including Newsletter Editor, Program Chair, and TG Chair. It has been a blessing to get to know and work with so many of you. Our TG is truly a wonderful community of scholars. I could not have done anything for the TG without the mentoring and collegiality I have received from fellow TG members. I can't thank everyone (my memory is starting to hit that declining slope), but I would like to especially thank Wendy Rogers for encouraging me to serve in the first place. She is a treasured colleague and mentor. Don Lassiter was a wonderful past-chair and ushered me into the job with a dose of confidence. All my fellow officers and other contributors over the years have been wonderful as well, including Kristen Gilbert, Cheryl Bolstad, Dan Morrow, Beth Meyer, and Sharon Joines (To those I missed - Please publicly berate me if I forgot to add you to this list). Finally, I would like to thank the crew who has helped me this past year or so, including Randa Shehab, Chris Mayhorn, and Raegan Hoeft.

As I leave office, the TG appears to be in good shape. Our membership has been stable and above 200 for as long as I can remember (standing at 219 right now). The bank account is in good shape. We have had a steady stream of Arnold Small student award winners joining us as the next generation of leaders in Human Factors and Aging. And we have managed to stay in the good graces of HQ by getting out our newsletter quota (thanks Sharon and Raegan).

If there is one thing that I see as an issue that the TG must deal with in coming years, it is the continued fractionalization and declining membership of

professional societies. There are more societies and associations than ever now, each competing for our attention. From my admittedly limited perspective, our TG used to be about the only thing going in the area of ergonomics and aging. Now there are groups such as the International Society of Gerontechnology growing, and interest groups in other societies such as ACM and GSA. Other groups and movements, such as the Universal Design and Universal Accessibility communities overlap substantially, as well, in application and focus if not in name. This is coupled with the fact that relatively few of us maintain aging as our sole HF interest area. Is the Aging TG relevant in this environment? If so, how can we stay relevant and even grow. How can we forge alliances and bonds between these groups that will benefit us all? These are tough questions, and I haven't been able to come up with answers in my two years at the helm. I would like to wish our future leadership wisdom, courage and luck as we face these challenges.

See you in Orlando!

IN THIS ISSUE

Farewell Message from the Chair	Page 1
Aging TG Program Summary	Page 2
ICOH 2006 Mini-Symposium	Page 3
Aging by Design Conference	Page 3
Upcoming Publications	Page 3
HCI 2005 Conference	Page 4
Calendar of Events	Page 4
Aging TG Officers	Page 5

CONTRIBUTORS

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Chris Mayhorn
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AGING TG PROGRAM SET FOR HFES ANNUAL CONFERENCE

Sessions scheduled on Wednesday and Friday

Chris Mayhorn

2005 – Aging Technical Group Program Chair
Assistant Professor, North Carolina State University

With the assistance of many Aging TG members who kindly volunteered their time as reviewers, the Aging TG will field an interesting program at the 2005 HFES 49th Annual Meeting in Orlando, Florida. We selected 10 papers for presentation as lectures and 3 papers for presentation as posters. The first Aging TG Session (Wednesday, September 28, 10:30am) is titled “Older Adults and Computer Technology” and focuses on how computerized technology can be designed to meet the needs of older adults. The second Aging TG Session (Friday, September 30, 10:30am) is titled “Exploring Age Differences in Kinematics, Perception, and Cognition” and features research from a variety of topics related to individual difference measures in aging. Be sure to review the on-site poster schedule at the conference to locate the three Aging TG posters which describe issues such as senior-friendly package design and medication labeling. All of the entries received this year were of high quality and the acceptance decisions were very difficult. Given the outstanding work that was submitted and accepted for presentation, I am confident that the program will be of interest to veteran TG members and also to those who are new to the area. I look forward to seeing you in Orlando.

A1: Older Adults and Computer Technology

Chair: Darin Ellis; Cochair: Rick Barker

(Wednesday, September 28, 10:30am – 12:00pm)

- **Older Adults and Attitudes towards Computers: Have They Changed with Recent Advances in Technology**, Sankaran N. Nair, Chin Chin Lee, and Sara J. Czaja (U. of Miami Miller School of Medicine)
- **Identifying the Needs of the Elderly for Technological Innovations in the Smart Home**, Martin G. Helander (Nanyang Technological U.) and Yong Ming Kow (Honeywell)

- **Older Adults and Internet Health Information Seeking**, Tamer El-Attar and Jarvis Gray (U. of Miami), Sankaran Nair, Raymond Ownby, and Sara Czaja (U. of Miami Miller School of Medicine)
- **Aging and Input Devices: Voice Recognition Performance is Slower Yet More Acceptable than a Lightpen**, Tiffany Susan Jastrzembski and Neil Charness (Florida State U.), Patricia Holley (Saint Leo U.), and Jeffrey Feddon (Florida State U.)
- **Examining Keyboard Shape and Arrangement Effects for Younger and Older Adults**, Marita Anne O'Brien, Wendy A. Rogers, and Arthur Dan Fisk (Georgia Tech)

A2: Exploring Age Differences in Kinematics, Perception, and Cognition

Chair: Sharon Joines; Cochair: Steven Wiker

(Friday, September 30, 10:30am -12:00pm)

- **Differences in Trunk Kinematics and Ground Reaction Forces between Older and Younger Adults during Lifting**, Gwanseob Shin, Mack Nance, and Gary Mirka (North Carolina State U.)
- **Age Differences in Useful Field of View during Real-World Highway Driving**, Frank Schieber and Jess Gilland (U. of South Dakota)
- **Designing External Aids That Support Older Pilot Communication**, Daniel Morrow, Dervon Chang, Christopher Wickens, Esa Rantanen, and Liza Raquel (U. of Illinois at Urbana-Champaign)
- **Age-Related Differences in Learning Incidental Environmental Information**, Kelly Erinn Caine, Timothy A. Nichols, Arthur D. Fisk, and Wendy A. Rogers (Georgia Tech)
- **Relational and Metaphorical Approaches to Information Visualization: Effects of Age and Graphical Facility**, Mark David Lee, Lena Mamykina, and Chandra M. Harrison (Siemens Corporate Research)

Aging TG Posters:

Chair: Enid Headen; Cochair: Amol Surve

(Wednesday, September 28, 8:30am -12:00pm)

- **Age Differences in Search Time for Two Over-the-Counter (OTC) Drug Label Formats**, Christina Costanzo Mendat, Aaron M Watson,

Christopher B. Mayhorn, and Michael S. Wogalter
(North Carolina State U.)

- ***An Empirical Study of the Ergonomic Design of Pill Bottle Caps for the Elderly***, Jennifer Marie Ross (U. of Central Florida)
- ***Package Opening: An Evaluation of Opening Tools for the Elderly Population***, Randa Shehab (U. of Oklahoma) and Chaitanya Saha (U. of Wisconsin)

ICOH 2006 MINI-SYMPOSIUM ON "EXTENDING THE WORKING LIFE: WORK AFTER 60?"

From June 11 to June 16, 2006, the International Commission on Occupation Health (ICOH) will hold its annual meeting in Milan, Italy. The goal of the meeting is to renew "a century of commitment to a healthy, safe and productive working life". Frank Winn has proposed a mini-symposium to specifically target the issues of older workers. The tentative speakers and topics are:

- Genevieve Reday-Mulvay (France) -- Health and Aging; Demographic aspects of aging of the population; Changes in retirement policies in the EU
- Frank Winn (USA) -- Lengthening the Working life in the USA: Promotional activities and Impediments; Benefits from the Age Discrimination in Employment Act
- Masaharu Kumashiro (Japan) -- Working after 60: Policies in Japan; Ergonomic improvements in the workplace aimed at older workers
- Amanda Griffiths (UK) -- The paradox of early retirement and increased longevity: Psychological aspects of aging workers; Age-management policies
- Juhani Ilmarinen (Finland) -- Maintenance and Promotion of Work Ability of Older Workers; Factors explaining the Work Ability during ageing
- Willem Goedhard (Netherlands) -- Extending the Working Life: challenges and perspectives; Occupational gerontology: prevention strategies during the working life

If you are interested in submitting a paper (lecture or poster) to the ICOH conference, they are accepting abstracts until **September 20, 2005**. There are 73 specific topic areas, including Topic 2: Aging and Work. For more information, you can visit <http://www.icoh2006.it/en/evento>.

AGING BY DESIGN CONFERENCE

October 17-18, 2005

Bentley College, Waltham MA

AGING BY DESIGN will explore how technology products and services can better meet the needs of older adults, as well as the opportunities that this demographic represents for those in business and product design.

SPEAKERS represent leading organizations in academia, business, government and design such as MIT, the Georgia Institute of Technology, Pew Internet and American Life Project, AARP, Cardiff University, Fidelity Investments, IBM, Social Security Administration, Deloitte & Touche, IDEO and more. Speakers will share their research and experiences in areas that include aging and design, market research, design case studies, and business opportunities.

REGISTRATION FEE: \$450; students \$199 (includes meals).

Register by September 1 and pay \$360.

CONTACT: Please e-mail agingbydesign@bentley.edu for more information.

An agenda and registration information are available online at www.bentley.edu/events/agingbydesign2005.

UPCOMING PUBLICATIONS

The proceedings of the IEA meeting on Aging and Work, held in Verona Italy in October 2004 will be available by the end of July. The reference is: *Well-being of Ageing Workers*, ISBN: 0-444-51989-0 Publication date: July 2005.

AGING RESEARCH AT THE HCII 2005 CONFERENCE

From July 22 -27, the 11th International Conference on Human-Computer Interaction was held in Las Vegas. It was a joint conference with nine main thrusts, including: Augmented Cognition, Universal Access, Human-Computer Interfaces, Usability & Internationalization, Human Interfaces (Japan), Virtual Reality, Online Communities & Social Computing, Ergonomics & Health Aspects of Work, and Engineering Psychology & Cognitive Ergonomics.

There were four sessions devoted entirely to aging research: Facilitating Web Access for Older Adults, Visual Information Acquisition and Cognition of Older Users, Older Adults, Speech Based Information Systems and Driving Safety, and Accessibility for Users with Special Needs – Enhancing Lifestyles for the Elderly. In addition, there were at least six posters and 15 other papers related to aging issues interspersed throughout the conference in other sessions, mainly within the Universal Access thrust. As might be expected, the main topics related to using the web, ATM machines, and cell phones, older drivers, and designing aids for the older population. The proceedings for the conference have been published via CD-ROM by Lawrence Erlbaum Associates, Inc (LEA). For more information about the conference and/or obtaining the proceedings, you can visit <http://www.hci-international.org/>.

Please attend our Annual TG Business Meeting and Luncheon!

Aging, 12:00 noon-1:30 p.m., lunch buffet
(please reserve on site at HFES Central in the registration area)



CALENDAR OF EVENTS

48TH ANNUAL MEETING OF THE HUMAN FACTORS AND ERGONOMICS SOCIETY

ORLANDO, FL

SEPTEMBER 20-24, 2005

<http://www.hfes.org/>

2005 AGING BY DESIGN

WALTHAM, MA

OCTOBER 17-18, 2005

www.bentley.edu/events/agingbydesign2005

2005 WHITE HOUSE CONFERENCE ON AGING

WASHINGTON, DC

OCTOBER 23-26, 2005

<http://www.whcoa.gov/>

58TH ANNUAL SCIENTIFIC MEETING OF THE GERONTOLOGICAL SOCIETY OF AMERICA

NEW ORLEANS, LA

NOVEMBER 18-22, 2005

<http://www.geron.org/AnnualMeeting/annual.htm>

2006 JOINT CONFERENCE OF THE NATIONAL COUNCIL ON AGING AND THE AMERICAN SOCIETY ON AGING

ANAHEIM, CA

MARCH, 16-19, 2006

<http://www.agingconference.org/jc06/index.cfm>

100TH ANNUAL MEETING OF THE INTERNATIONAL COMMISSION ON OCCUPATIONAL HEALTH (ICOH)

MILAN, ITALY

JUNE 11-16, 2006

<http://www.icoh2006.it/en/evento>

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