



Aging Technical Group Newsletter

Summer 2014

Message from the Chair (Diana Schwerha, PhD)

Inside this issue:

<i>Message from the Chair</i>	1
<i>Aging and Physical Impairment Simulation at HFES Chicago</i>	2
<i>Report from the Program Chair</i>	2-3
<i>Relevant Sessions at a Glance</i>	3
<i>Annual Human Factors and Ergonomics Society Meeting in Chicago Preliminary Program ATG & Aging-relevant sessions</i>	3-7
<i>Officer Elections</i>	8

Happy September to all of you! I hope that you've all had a good summer and are looking forward to fall and the HFES Annual Conference. Anne Adams has done an absolutely wonderful job in managing the aging sessions—we have more than last year and they look exciting! Check out the rest of the newsletter for more information about the conference sessions.

Scholarship in Aging Research

I also wanted to let you know that we have support for the Scholarship in Aging Research. This scholarship provides funding for up to \$500 in the field of Human Factors and Aging. Check out our Facebook page for more information about the scholarship. We are very fortunate to have support for this scholarship.

Annual ATG Lunch

We are also planning to have our annual Aging Technical Group lunch at the conference on Wednesday at noon. I will post more information about it on Facebook and through the listserv as we get closer to the event. There will be a charge for the lunch, but I am still hoping to get funding to subsidize it. If you know of anyone interested in contributing to this, please let me know. I can be reached at schwerha@ohio.edu.

See you soon!

My best,

Diana

Aging and Physical Impairment Simulation at HFES Chicago

Based on discussion at the Aging TG luncheon in San Diego last year, Marita O'Brien, Cara Fausset, Liz Mann, and Christina Harrington have organized a demonstration to help educate HFES practitioners about aging and universal design. Equipment will be provided to help visitors temporarily impair their vision and motor skills while they complete several activities of daily living. We will then facilitate discussion with visitors and volunteers about technology design features that help or hinder use, as well as consideration of these issues that increase usability and accessibility. We will also discuss how to use impairment simulation tools to increase knowledge and empathy among younger designers. Please stop by Tuesday, October 28 between 3:30 and 5 PM to participate. Check the HFES schedule for the specific room.

If you are interested in helping with this session, please contact Marita at maobrien@franciscan.edu.

Report from the Program Chair (Anne Adams, PhD)

With delight I announce that HFES 2014 in Chicago will see ATG hosting four sessions, up from 1 session last year. We also have one poster and one demonstration and are co-sponsoring two other sessions. Details of the preliminary program follow this brief overview.

ATG hosted sessions. The first session we host (**A1**) is a discussion panel called "Transportation in an Age-Diverse Society". This session is on Wednesday (just before our business meeting) and co-sponsored by the Surface Transportation TG.

On Thursday we are hosting the other three sessions. Session **A2** contains papers that describe or address the needs of older adults in different contexts, hence the session title "Older Users' Needs: Flying, by Lifestyle, and at Home". Session **A3** focuses on managing illness. I'm excited that this session is co-sponsored by Health Care TG and Macroergonomics TG. The collaboration is reflected by papers ranging from factors on the individual level (e.g., medication adherence) to the whole system level. Session **A4** is a potpourri of papers that include fall prevention, force control, technology adoption, and attentional failures.

Interactive posters and demos. Don't miss the first interactive posters and demos session (**POS 1**) on Tuesday for a demonstration of age-related challenges. This session uses simulation tools which should be both interesting and fun. Also check out the second interactive posters and demos session (**POS 2**). It includes the poster on usability challenges for Xbox 360 Kinect exergames for older adults.

Sessions co-sponsored by ATG. The first session co-sponsored by ATG is a Student Forum session on Tuesday (**SF2**) called “Aging and Cognition”. Three papers specifically focus on aging, and the remaining two papers are on topics that are also relevant to older users. The second session co-sponsored by ATG is a panel discussion on Friday morning, hosted by Occupational Ergonomics (**OE7**). The session is called “Aging, Obesity, and Beyond: Assessment of Work and Implications for Healthy Work Environment”.

Acknowledgements. My gratitude goes to all the authors for submitting their work, the reviewers for reading and commenting on the submissions, and the reviewers who are still busy selecting the best student paper for the Arnold Small Award. I also would like to acknowledge those who will serve as chairs and co-chairs, and all the others who offered to help in case it was needed. I would also like to acknowledge Lois Smith and Chris Mayhorn for their patient support and guidance.

Hope to see you in Chicago!

Relevant Sessions at a Glance

Tuesday

1:30 – 3:00 pm SF 2 – cosponsored by Aging TG
3:30 – 5:00 pm POS 1 – demo of age-related changes

Wednesday

10:30 – 12:00 noon A 1 – cosponsored by Surface Transportation TG
12:00 ATG – Business meeting

Thursday ... 3 sessions

8:30 – 10:00 am A 2
10:30 – 12 noon A 3 – cosponsors: Health Care and Macroergonomics
1:30 – 3:00 pm A 4
1:30 – 3:00 pm POS 2 – 1 poster

Friday

8:30 – 10:00 am OE7 – cosponsor: Aging TG

Annual Human Factors and Ergonomics Society Meeting in Chicago Preliminary Program ATG & Aging-relevant sessions

Tuesday, October 28th

1:30 pm – 3:00 pm

Student Forum 2: Aging and Cognition

Co-sponsor: Aging

Session Chair: Noelle Brunelle

Session Co-Chair: Christine Allen

- *“Understanding Older Adults’ Perceptions of Usefulness for the Paro Robot”*. Sean McGlynn, Shawn Kemple, Tracy Mitzner, Chih-Hung King, Wendy Rogers.
- *“The Effects of Age and Working Memory Demands on Automation-Induced Complacency”*. William Leidheiser, Richard Pak.
- *“The Impact of Cognitive Fatigue on Age-related Differences in Neuromuscular Function: A Neuroergonomic Approach”*. Ashley Shortz, Ranjana Mehta.
- *“Gesture as a Window and a Tool”*. Francis Trowbridge.
- *“I was blind but now I see: A manipulation of task relevance on inattentive blindness”*. Allaire Welk, James Creager, Douglas Gillan.

3:30 pm – 5:00 pm

POS-1: Interactive Posters & Demos includes

“Using Impairment Simulation Tools to Demonstrate Age-related Challenges in Everyday Tasks and Promote Universal Design”. Marita O'Brien, Cara Fausset, Elizabeth Mann, Christina Harrington.

Session Chair: Ronald Boring

Session Co-Chair: Thomas Ulrich

Wednesday, October 29th

10:30 am – 12:00 noon

Aging 1: Transportation in an Age-Diverse Society (Discussion Panel)

Co-sponsor: Surface Transportation

Session Chair: Bridget A. Lewis

Session Co-Chair: Carryl L. Baldwin

Panelists: Carryl L. Baldwin, Susan T. Chrysler, James P. Foley, Peter A. Hancock, Sheila G. Klauer

12:00 noon – 1:30 pm

Aging TG Business Meeting (Lunch)

- Brief ATG status
- Arnold Small Award
- ATG scholarship for students
- Social Time

8:30 am – 10:00 am

Aging 2: Older Users’ Needs: Flying, by Lifestyle, and at Home

Session Chair: Shadeequa (Dee) Miller

Session Co-Chair: Brandon Pitts

- *“Qualitative and Quantitative Study of Older Japanese, German, Brazilian and US Air Travelers--the BEST AGE Study”*. Dianne McMullin, James Angerer, Rush Green, Fernando Stancato, Flavia Silva Ciaccia, Aristides Cintra, Alexandre David, Donald Morgan, Melody Mastauw, Frank Ruggiero.
- *“Qualitative and Quantitative Study of Older German and US Flight Attendants---the BEST AGE study”*. Dianne McMullin, James Angerer, Rush Green, Fernando Stancato, Flavia Silva Ciaccia, Aristides Cintra, Alexandre David, Donald Morgan, Melody Mastauw, Frank Ruggiero.
- *“Designing Aging-In-Place Technologies to Reflect the Lifestyles and Precious Artifacts of Urban and Rural Older Adults”*. Ginger White, Robyn Evans, Kay Connelly, Kelly Caine.
- *“Understanding Younger and Older Adults’ Needs for Home Organization Support”*. Cory-Ann Smarr, Shelby Long, Akanksha Prakash, Tracy Mitzner, Wendy Rogers.
- *“Understanding Older Adults’ Health and Social Memory Needs in the Home”*. Akanksha Prakash, Ayah Mostafa, David Mitchell, Wendy Rogers.

10:30 am – 12 noon

Aging 3: Managing Illness: Individual and System-Level Factors

Co-sponsors: Health Care, Macroergonomics

Session Chair: Dianne McMullin

Session Co-Chair: Jing Feng

- *“Intentional and Unintentional Medication Nonadherence – Comparing Older and Younger Adults”*. Jamie Ng, Seung Ki Moon, Taezoon Park, Wah-Pheow Tan.
- *“Using Focus Groups to Examine Prospective Memory Strategies in the Medication Management of Older Adults”*. Nicole Fink, Natalee Cartee, Richard Pak.
- *“Understanding Care Coordination for Chronically ill Patients”*. Sarah Kianfar, Pascale Carayon, Ann Schoofs Hundt, Peter Hoonakker.
- *“Facilitators and Barriers to Multi-Stakeholder Collaboration in the Redesign of the Family-Centered Rounds Process”*. Anping Xie, Pascale Carayon, Randi Cartmill, Yaqiong Li, Elizabeth Cox, Michelle Kelly.
- *“Ineradicable System Vulnerabilities in the Anesthesia Pre-Filled Syringe Medication Management Process”*. Yushi Yang, A. Joy Rivera, Christopher Fortier, James Abernathy.

Thursday, October 30th (Continued)

1:30 pm – 3:00 pm

Aging 4: Aging Potpourri: Fall Prevention, Force Control, Technology Adoption, and Attentional Failures

Session Chair: Marita O'Brien

Session Co-Chair: Clive D'Souza

- *"Functional and Biomechanical Assessments of A Matter of Balance/Volunteer Lay Leader Model: A Pilot Investigation"*. Ranjana Mehta, Jian Liu, Ashley Shortz, Aya Yoshikawa, Shin Lee, Robert Pankey, Samuel Towne, Matthew Smith, Doris Howell, Marcia Ory.
- *"Age and Gender Differences in Force Control Capabilities by Force Control Phase"*. Baekhee Lee, Hyunji Park, Kihyo Jung, Byung Hwa Lee, Duk L. Na, Heecheon You.
- *"Age-related Differences in Attentional Failures during Driving: A Self-report Measure"*. HeeSun Choi, Jing Feng.
- *"Older Adults' Changes in Intent to Adopt Wellness Management Technologies"*. Kimberly Preusse, Tracy Mitzner, Cara Fausset, Wendy Rogers.

POS-2: Interactive Posters & Demos includes

- *"Identifying potential usability challenges for Xbox 360 Kinect exergames for older adults"*. Elena Marinelli, Wendy Rogers.

Session Chair: Ronald Boring

Session Co-Chair: Thomas Ulrich

Friday, October 31st

8:30 am – 10:00 am

Occupational Ergonomics 7: Aging, Obesity, and Beyond: Assessment of Work and Implications for Healthy Work Environment (Discussion Panel)

Co-sponsor: Aging

Session Chair: Rammohan Maikala

Session Co-Chair: Riley Splittstoesser

Panelists: Wayne Maynard, Robert Fox, Jia-Hua Lin, Jian Liu, Martin Lavalliere

Panel co-chairs: Rammohan Maikala, Lora Cavuoto.

ATG Officer Elections

Current Offices:

Chair (Chicago, Los Angeles): Diana Schwerha
Program Chair (Chicago): Anne Adams
Program Chair Elect (L.A.): Jing Feng
Secretary/Treasurer (Chicago): Camilla Knott
Secretary/Treasurer Elect (L.A.): Kathi Olson
Newsletter (Chicago): Natalee Cartee
Web Master (L.A.): Sean McGlynn

We will have elections again in Sept 2014 for offices in 2015. Please consider running for an office. The open offices are listed below in bold.

Chair (Los Angeles): Diana Schwerha
Chair Elect (Los Angeles): ? (this officer will serve as Chair for 2016, 2017)
Program Chair (Los Angeles): Jing Feng
Program Chair Elect (D.C): ?
Secretary/Treasurer (Los Angeles): Kathi Olson
Secretary/Treasurer Elect (DC): ?
Newsletter (Los Angeles): ?
Web Master (DC): ?