



# AGING TECHNICAL GROUP NEWSLETTER

Fall 2019

## Inside this Issue:

<i>Message from the Chair, Marita O'Brien</i>	1
<i>ATG Officers</i>	2
<i>ATG Luncheon at Tap House Grill</i>	2
<i>Annual Business Meeting 2019</i>	2
<i>HFES Annual Meeting 2019 Program Aging-Sponsored and Aging-Relevant Sessions</i>	2
<i>Tenure-Track Positions In Human Factors Psychology at Clemson University</i>	4
<i>Faculty Position at Purdue University in Industrial/Healthcare Engineering</i>	4
<i>Tenure Track Faculty Position in Kinesiology and Community Health at UIUC</i>	5

## Message from the Chair

Dear ATG members,

Greetings as the fall season takes us into the next HFES meeting in Seattle. I hope to see many of you at the conference and to learn from the research and other activities that you've been undertaking in the past year.

As you'll see in the highlights of Aging-related sessions, we have several types of sessions including a panel discussion, two research sessions, an interactive poster, and a technical tour off-campus to see a patient handling skills lab and an innovative senior living facility. Thanks to Jenay Beer for pulling together these opportunities for sharing research and ideas. I'm especially excited that our 2 PM session on Wednesday will be video recorded for those who can't attend this session.

I hope you can join us for our TG Networking and student award lunch held at its traditional day and time on Wednesday, October 30 at 12:30 pm. Note that this will be off-site at a nearby restaurant, the Tap House Grill, to help manage costs for individuals and the TG. Besides enjoying a meal together, we'll also recognize new officers and announce the student winners of our TG awards. Please RSVP by Friday, October 25 using the link on the HFES Aging TG website to allow us to make arrangements for the right number of people, though you can pay onsite using this link or with cash. You can encourage interested colleagues to join us to learn about common objectives, recognize excellent students, and develop professional relationships. They need not be TG members to come. The luncheon cost is \$15 for professionals and \$10 for students. Note that we have already conducted our annual business meeting, and you can also find a recording of that meeting using the link on our website.

Lastly, please check out three academic job announcements in this newsletter and forward these to colleagues you believe would be great candidates. Thanks to Jeremy Lopez, our newsletter editor, for pulling this all together.

I'm looking forward to seeing you next week! Safe travels and good luck finishing up your final preparations for the conference.

Marita

<https://hfesatg.wordpress.com/>

## ATG Officers:

### Current Officers:

Chair (Philadelphia, PA and Seattle, WA): Marita O'Brien  
Chair-Elect (Philadelphia, PA and Seattle, WA): Jing Feng  
Program Chair (Seattle, WA): Jenay Beer  
Program Chair-Elect (Chicago, IL): Frank Schieber  
Secretary/Treasurer (Seattle, WA): Bethany Lowndes  
Web Master/Blogger (Seattle, WA): Dan Quinn  
Newsletter Editor (Seattle, WA): Jeremy Lopez

### New Officers:

Chair-Elect (Philadelphia, PA and Seattle, WA): Jing Feng  
Program Chair-Elect (Chicago, IL): Frank Schieber  
Program Chair-Elect (Baltimore, MD): Marita O'Brien  
Secretary/Treasurer (Chicago, IL): Bethany Lowndes  
Web Master/Blogger (Chicago, IL): Dan Quinn  
Newsletter Editor (Chicago, IL): Open

## ATG Luncheon at Tap House Grill

If you will be attending the HFES Annual Meeting in Seattle this year, then consider attending the ATG Luncheon on **Wednesday, October 30 at 12:30 pm**. We will have lunch at **Tap House Grill at 1506 Sixth Avenue, Seattle, WA**, located a short walk away from the Sheraton Grand Hotel. Please come by and spend some valuable time with your fellow ATG members!

## Annual Business Meeting 2019

This year's Annual Business Meeting took place on **Tuesday, October 1, 2019**. You can [click here](#) to access the recorded meeting. Topics covered include ATG officer transitions, membership statistics, and ideas for collaboration with other technical groups.

## HFES Annual Meeting 2019 Program Aging-Sponsored and Aging-Relevant Sessions

### Tuesday October 29

- **11:00am - 12:30pm @ Issaquah**
  - A1 - Panel on Aging-in-Place with Disability
    - **“A Panel Discussion on Human Factors Considerations for Aging-in-Place with Disability.”**  
J. Beer, W. Rogers, J. Sanford, E. Remillard, C. Phillips, M. Campbell

### Wednesday October 30

- **12:30pm - 2:00pm @ Tap House Grill (Off-site)**
  - Luncheon @ Tap House Grill

**Wednesday October 30****● 2:00pm - 3:00pm @ Ravenna**

- A2 - Aging in Place and Home (Health) Management
  - **“An Aging-focused Heuristic Evaluation of Home Automation Controls.”**  
J. Lopez, C. Textor, W. Hicks, M. Pryor, A. McLaughlin, R. Pak
  - **“Perceptions from People Aging with a Mobility Impairment towards using Tele-Technology for Exercise.”**  
G. Mois, T. Mackin, A. Datta, L. Koon, W. Rogers, T. Mitzner, J. Beer
  - **“Combining Health Coaching with Telehealth: A Scoping Review.”**  
C. Markert, A. Rao, F. Sasangohar
  - **“Conceptualizing caregiver workload: an exploratory study guided by NASA TLX.”**  
R. Rutkowski, S. Ponnala, J. González Vargas, A. Gilmore-Bykovskiy, L. Block, A. Kind, N. Werner

**Wednesday October 30****● 3:30pm - 5:30pm @ Grand Ballroom BC**

- POS1 - Interactive Posters and Demos Sessions A1 - Panel on Aging-in-Place with Disability
  - **“The Effects Video Gameplay on Memory and Need for Cognition in Adults and Older Adults.”**  
J. Parker, P. Barclay, V. Sims

**Thursday October 31****● 11:00 am - 12:30pm @ Issaquah**

- A3 - Driving, Occupational, and Conversational/Speech Systems for Older Adults
  - **“Driven to comment: Learning from older drivers impressions of in-vehicle technologies.”**  
C. Lopes, G. Erickson, J. Cooper, C. Wheatley, D. Strayer
  - **“Older Drivers’ Differential Performance across Hazardous Scenarios.”**  
J. Kasko, H. Choi, J. Feng
  - **“The Influence of Different Weight Carrying Methods on Human Gait and Balance During Obstacle Negotiation.”**  
F. Yang, J. Zhang, W. Giang, M. Yerebakan, B. Hu
  - **“The Effect of External Weight Distribution on Muscle Activation Pattern During Obstacle Negotiation for Male Participants.”**  
G. Yi, X. Wang, J. Zhang, S. Hao, B. Hu
  - **“Automated Speech Recognition Systems and Older Adults: A Literature Review and Synthesis.”**  
L. Werner, G. Huang, B. Pitts
  - **“Conversational systems for family health history collection for geriatric population.”**  
A. Ponathil, N. Ozkan, J. Bertrand, B. Welch, K. Chalil Madathil

**Thursday October 31****● 12:40pm - 5:00pm (Off-site)**

- Swedish Medical Center Safe Patient Handling Skills Lab and Innovative Senior Living Facility Tour

## Tenure-Track Positions In Human Factors Psychology at Clemson University

Clemson University's Department of Psychology invites applications for two tenure-track faculty positions specializing in Human Factors Psychology, Applied Cognition or Perception, or Applied Experimental Psychology. Both positions will begin in the Fall of 2020. One position will be filled at the Assistant Professor rank and the other will be filled at either the Assistant or Associate Professor rank. Expected duties include mentoring students in our Human Factors graduate program as well as teaching relevant graduate and undergraduate courses. The ideal candidate for each position will have a strong research orientation with potential for extramural support, and a commitment to excellence in graduate and undergraduate education.

As a faculty member at Clemson University, you can expect to be immersed into a community of scholars who are committed to fostering diversity and inclusive excellence. We are looking for individuals whose background or interests align with this commitment. Candidates are welcome to include a brief statement in this regard in their application.

Clemson University is an R1 Carnegie institution that ranks No. 24 in the US News and World Report ranking of the nation's top public universities. The campus is located in the foothills of the Blue Ridge Mountains near outstanding year-round recreational opportunities.

The Department of Psychology is a research-oriented department with 32 full-time faculty, 830 undergraduate majors, and 40 graduate students. We have doctoral programs in Human Factors Psychology (HF) and in Industrial-Organizational Psychology (I-O), and a Master's program in Applied Psychology with specializations in HF and I-O (<http://www.clemson.edu/cbshs/departments/psychology/>). We are seeking individuals to join the Clemson Family who are dedicated to moving the department and university forward.

### Qualifications:

PhD in a related field

Strong research orientation

Application Instructions: Applications will be submitted through Clemson's Faculty job board:<http://www.clemson.edu/employment/FacultyCareers/positions.html>. Through this website, applicants will submit their vita, a statement of research and teaching interests, representative publications, and three letters of reference. Applications received by October 1, 2019 will be assured full consideration.

Additional questions concerning this position can be directed to the chair of the faculty search committee, Prof. Rick Tyrrell ([tyrrell@clemson.edu](mailto:tyrrell@clemson.edu)).

Rick Tyrrell, PhD | CLEMSON UNIVERSITY Professor, Department of Psychology 864.656.4977 College of Behavioral, Social and Health Sciences

## Faculty Position at Purdue University in Industrial/Healthcare Engineering

The School of Industrial Engineering at Purdue University ranks #3 at the undergraduate program and #6 at the graduate program in USNWR. It consists of 32 tenure track faculty and has over 1000 undergraduate and graduate students enrolled.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (8th for graduate programs and #9 for undergraduate per USNWR, 2019) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Submit applications online at <https://careers.purdue.edu/go/West-Lafayette-Faculty/7721600/> including curriculum vitae, teaching and research plans, and names of at least four references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at [coeacademicaffairs@purdue.edu](mailto:coeacademicaffairs@purdue.edu). Review of applications will begin on October 1, 2019 and will continue until position is filled. A background check will be required for employment in this position.

Purdue is an ADVANCE institution <http://www.purdue.edu/advance-purdue/>. Purdue University's School of Industrial Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Greater Lafayette Indiana is home to Purdue University and is one of the fastest growing communities in the Midwest. Subaru of Indiana Automotive, Caterpillar, Dow AgroSciences, Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, high tech firms and small businesses all call Greater Lafayette their home. Conveniently located between Chicago and Indianapolis, Greater Lafayette is also near several other major metropolitan cities. Visit Lafayette-West Lafayette and Greater Lafayette Commerce are resources that highlight our great community.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

## Tenure Track Faculty Position in Kinesiology and Community Health at UIUC

The internationally renowned Department of Kinesiology and Community Health (<http://kch.illinois.edu>) within the College of Applied Health Sciences (<http://ahs.illinois.edu>) at the University of Illinois at Urbana-Champaign (<http://illinois.edu>) is dedicated to the scholarly investigation of all aspects of health, rehabilitation, and human movement. Our 35 interdisciplinary faculty are housed within state of the art research facilities, including the forthcoming Living in Interactive Future Environments (LIFE) Home research facility. Our department offers BS, MS, and PhD degrees in Kinesiology and Community Health; a CEPH-accredited MPH degree; a professional MS in Health Administration; and a forthcoming professional MS in Health Technology (pending Illinois Board of Higher Education approval). KCH faculty maintain active collaborations with all units in the College of Applied Health Sciences, namely Speech and Hearing Sciences; Recreation Sport, & Tourism; the Center for Health, Aging, and Disability, the Chez Veterans Center; and Disability Resources & Educational Services. We also collaborate actively with other colleges (e.g., Grainger College of Engineering, Carle-Illinois College of Medicine), institutes (e.g., Beckman Institute for Advanced Science and Technology; Interdisciplinary Health Sciences Institute), local hospitals, and community organizations.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>

**Position:** The Department of Kinesiology and Community Health is searching for outstanding candidates with a background in health technology, broadly defined. Our "Health Technology from Design to Implementation" program focuses on human factors; technology use in diverse populations and in the context of daily life; and implications of technology use for health across the life span and across functional abilities. The department and college are currently spearheading a campus-wide initiative focusing on the creation, utilization, and testing of technologies to improve health. This initiative has resulted in several faculty hires, and we seek to continue to build a critical mass of faculty in health technology. Recently, the College of Applied Health Sciences, in collaboration with the Grainger College of Engineering, received a \$2 million award for the development of a research and education program focusing on technology for health and independence.

A cornerstone of this program is the new MS degree in Health Technology. We seek individuals with diverse backgrounds, training, and research portfolios with a focus on health technology. Individuals who design, implement and evaluate technology to promote health are sought. Successful applicants would study health behavior by bridging technology (e.g., mobile health, sensors, smart devices, rehabilitation and assistive technologies) and the biological, behavioral, and/or social sciences. Successful applicants will contribute to the department's instructional mission, conduct research, and advance scholarship in their area of expertise. The position is a 9-month, tenured position at the rank of Associate Professor or Professor.

**Available:** The preferred start date is August 16, 2020.

**Qualifications:** Applicants must hold a doctoral degree in a relevant field such as health technology, community health, kinesiology, public health, rehabilitation science, human-computer interaction, engineering, or other related field. A strong record of independent research in the integration of health technology and the biological, social and/or behavioral sciences is preferred. For appointments at Associate Professor/Professor, the candidate must have a well-developed research program and a history of externally funded research. All candidates are expected to contribute to the instructional mission of the department.

**Salary:** Salary is competitive based on a 9-month academic year appointment.

**Starting Date:** To assure full consideration, the following materials should be uploaded by November 1, 2019. However, review of applications may continue until the position is filled.

**Application process:** Application materials should be submitted online at <http://jobs.illinois.edu>. The following materials are requested: (1) a letter of application that includes a statement of research interests, teaching experience, and summary of qualifications for the position (2) a curriculum vitae; and (3) names and contact information for three references. For more information about the position, applicants may contact:

Wendy A. Rogers, Ph.D.  
Chair, Health Technology Search Committee  
Kinesiology and Community Health  
University of Illinois at Urbana-Champaign  
Email: [wendyr@illinois.edu](mailto:wendyr@illinois.edu) Phone: 217-300-1470

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.