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It has been a great year for APA-21. We had two great mid-year meetings. One, co-sponsored with Div 19 (military psychology) was held in Fairfax, VA and masterfully coordinated for us by Ericka Roviera for the second year in a row. Eduardo Salsas of UCF was the featured speaker at the meeting. The other was a new effort, co-sponsored with the FAA and the Aerospace Systems Technical Group of HFES; APA-21 members Amy Alexander, Frank Drews, John Ruffner, Carol Manning, and Dan Morrow served on the organizational committee that I chaired. Dino Piccone, interim human factors director at the FAA served as the keynote for this two day conference. Together the two meetings added substantially to the APA-21 intellectual as well as financial coffers.

Of course these conferences are just the appetizer for the main course, this year to be held in Boston, Mass. Frank Drews has put together a great program (see the tear sheet later in this newsletter). Some superstars of applied experimental psychology are scheduled to speak—Bob Helmreich, Ray Nickerson, and Ben Zion are don’t miss events. Thanks Frank for a nice job!

I know I will see many of you at Boston. Over 20 have indicated their intention to take the division up on the annual dinner initiated just a couple of years ago by then president Ron Shapiro. (Thanks Ron!!) We will be dining at the Daily Catch, complements of the division. It’s the least we can do for those who sit through the business meeting.

At that business meeting, I’ll pass the presidency to Scott Shappell who will take us into 2009. This has been a great year for me. I’ve worked with some amazing, dedicated folks, and I have gotten to meet many of you through your emails and the midyear meetings.

So long, and thanks for all the fish.

Ciao,

Frank

~ Frank Durso
APA Divisions 21 (Applied Experimental and Engineering Psychology) and 19 (Military Psychology) with HFES Potomac Chapter hosted their annual midyear symposium March 6-7 2008, at George Mason University, Fairfax, VA. The theme of the 2008 symposium was “Distributed Cognition: Teams, Technology, Family, and the Individual.” The keynote address was given by Dr. Eduardo Salas, a Professor of Psychology at the University of Central Florida and Principal Scientist for human factors at the Institute for Simulation and Training. The title of his talk was “The Science of Team Performance: Looking Back and Looking Forward.”

His talk set the tone for discussion among 120 participants from industry, government, and academia predominantly from the Washington, DC metro area. The participants contributed in discussion towards exploring the challenges in understanding and predicting human behavior in shared work across time and space. Specifically, there were three panels, 25 presentations, and 20 posters. The intimate poster session allowed scientists to provide meaningful feedback to graduate and undergraduate student presenters. Winners of the best graduate work included Bart Wilkinson, Georgia Tech (presentation) and Lee Sciarini, University of Central Florida (poster). Best undergraduate presentation went to Tom Beirne and Chris Bowen and best undergraduate poster went to Grace Zwick and Grant Carter all from the Engineering Psychology Lab, United States Military Academy, West Point.

**Note:** this article was adapted from a similar one by Rovira in the 2008 Training HFES TG newsletter.

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**APA Div 21/19 & HFES Potomoc MidYear Symposium Updates**

**Job Openings**

TEXAS TECH UNIVERSITY PSYCHOLOGY DEPARTMENT invites applications for a tenure-track position in HUMAN FACTORS/APPLIED EXPERIMENTAL to begin August 2009. RANK IS OPEN. All positions require an earned Ph.D. and ability to teach undergraduate and graduate psychology courses, mentor students, conduct a productive research program with potential to secure external funding, and provide University service. Some preference will be given to candidates with ability and willingness to teach graduate-level statistics and to candidates whose research complements that of current faculty. Specialty area is open. Successful candidates will have a strong psychology background, training in human factors or experimental psychology, and an ability to integrate basic and applied research. The Human Factors program is fully accredited by HFES. For more details, see [http://www.depts.ttu.edu/psy/news/facultyopenings.php](http://www.depts.ttu.edu/psy/news/facultyopenings.php).

The Department has about 100 doctoral students in applied cognitive, human factors, social, clinical and counseling (both APA-accredited). Our research programs encompass departmental, campus, community and national/international collaborations, and TTU considers the needs of dual-career couples. Lubbock is a temperate, low-cost metropolitan area of 200,000 people with a large medical community and an affiliated Health Sciences Center. To apply, please go to the TTU Employment website ([https://jobs.texastech.edu](https://jobs.texastech.edu)), select the requisition # 77018, and create a profile that includes a cover letter, vita, documentation of research and teaching effectiveness, reprints, and three letters of reference.

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~Ericka Rovira, Ph.D~

Assistant Professor, United States Military Academy at West Point and APA Midyear Program Co-Chair

Continued on page 4
Items submitted by mail, such as reprints and letters of reference, should be sent to the Search Committee Co-Chair: Dr. Patricia R. DeLucia, Department of Psychology, Texas Tech University, Lubbock, Texas, 79409-2051; pat.delucia@ttu.edu. Initial screening begins October 13 and will continue until the position is filled. Texas Tech University is an Affirmative Action/Equal Opportunity Employer. We strongly encourage applications from women and minorities.

**Human Factors Engineer**

Candidate will provide direct support to the Federal Aviation Administration's (FAA) Air Traffic Operation En Route and Oceanic Finance and Planning team. The candidate will assist in the identification, tracking, coordination, and development of ATO-E Air Traffic Planning and Research, Development and International risks and issues. The candidate will use quantitative analysis, process control methodologies, data collecting and data mining, and person-centered research evaluation as the empirical basis for solution development.

Candidate must have a broad understanding of HF principles, theories, concepts and techniques. Candidate must be a self-starter, a team player, be flexible, and possess the ability to work under pressure and adapt quickly to a fast-paced work environment. All candidates must demonstrate expertise in the field of human factors and statistical application. Background in the identification and application of Human Factors (HF) Engineering principles in the design, development, test or deployment of large scale software development systems a plus. Candidate must have excellent communication skills (written & verbal), and be proficient with Microsoft Office products. FAA experience a plus. Requires a Bachelor's of Science degree in applied or experimental psychology, human factors, ergonomics, sociology, or industrial engineering from an accredited college or university. Advanced degree in those areas is preferred.

**Assets:**
- Skill in leading teams in the production of integrate projects
- Skill in performing analyses during the initial phases of a program to determine functional needs and design attributes.
- Skill in the application of human factors engineering to the design of systems.
- Skill in planning and executing test and evaluation events.
- Skill in working with user teams during requirements development, system design and testing.
- Skill in working on interdisciplinary teams including the advocacy of human factors in the context of cost and schedule program constraints.
- Experience in aviation systems and operations, especially air traffic control.

**Alina Manos**
Recruiter
Northrop Grumman IT
Phone (Mon. Wed. and Thurs.): 703-556-1403
Phone (Tues. and Fri.): 703-268-5841
Fax: 703-556-1463
alina.manos@ngc.com
website: www.northropgrumman.com

**Calendar**

- Association for Psychological Science (APS) [http://www.psychologicalscience.org/calendar/](http://www.psychologicalscience.org/calendar/)
- Human Factors and Ergonomics (HFES) [http://www.hfes.org/web/Calendar/calendar.html](http://www.hfes.org/web/Calendar/calendar.html)
- Association for Computing Machinery (ACM) [http://campus.acm.org/calendar/](http://campus.acm.org/calendar/)
15th International Symposium on Aviation Psychology

April 27-30, 2009

Wright State University, Dayton, Ohio

Call for Proposals
Papers, Posters, Symposia, Panels, Workshops
Submission Deadline: October 15, 2008

www.wright.edu/isap

The International Symposium on Aviation Psychology is offered for the purposes of:
• presenting the latest research on human performance problems and opportunities within aviation systems;
• envisioning design solutions that best utilize human capabilities for creating safe and efficient aviation systems;
• and bringing together scientists, research sponsors, and operators in an effort to bridge the gap between research and application.

Although the symposium is aerospace oriented, we welcome anyone with basic or applied interests in any domain to the extent that generalizations from or to the aviation domain are relevant.

Keynote Speaker: Dr. Christopher D. Wickens

What’s new?
• The symposium will be held at Wright State University, Dayton Ohio.
• Dedicated Poster Sessions
• Student Paper Award
• Fun-filled activities and more!

Symposium Chair: John Flach, john.flach@wright.edu
Technical Program Co-Chair: Michael Vidulich, isap_technical@wright.edu
Interview with Dr Patricia DeLucia

Patricia R. DeLucia is a Professor of Psychology at Texas Tech University. Dr DeLucia received a B.A. in Psychology from Adelphi University in 1983 and a Ph.D. in Experimental Psychology from Columbia University in 1989. Her research program focuses on theoretical issues in visual perception and human-factors applications. Her primary theoretical interests include the perception of collision, motion, and depth. Her applied interests include transportation safety (driving and aviation), healthcare (minimally-invasive surgery; patient safety; performance in nursing), virtual reality, night vision goggles, and sport. She has served on the Editorial Boards of Human Factors, and Journal of Experimental Psychology: Applied since 1999 and 2007, respectively. Dr DeLucia has served as the Chairperson of the Education and Training Committee of the Human Factors and Ergonomics Society since 2004, and will be the Program Chairperson of APA Division 21 for the 2009 Annual Meeting. She has been a member of APA and the Human factors and Ergonomics Society since she was a graduate student.

Q. Could you talk about your current research?

My current research focuses on two applied domains: driving and healthcare. In driving, I am studying the visual information that drivers use during car following. Specifically, I am studying whether the information drivers use depends on whether the car being followed is near or far, and whether it is decelerating slowly or rapidly. This work has implications for the design of in-vehicle warning systems. I am also studying what information people use to make judgments of head-on collisions and the role of center-lane markings in such judgments. All of this work has theoretical underpinnings from which I try to better understand the mechanisms that underlie judgments about collisions.

The other major focus of my research is healthcare. I am studying how to best configure displays for laparoscopic surgery. This is an issue because surgeons have to monitor multiple sources of information from various locations in an operating room. My most recent work investigates whether it would be advantageous to integrate those multiple information sources into a single display. This may reduce visual scanning, fatigue or, at least, reduce the number of monitors needed in an already cluttered operating room. I have also started to examine performance issues in nursing. For example, nursing is a cognitively demanding task which relies heavily on multi-tasking and memory. However, nurses must monitor multiple patients concurrently and are constantly interrupted. Their work environment does not accommodate cognitive demands and limitations. It is important to address such issues to improve healthcare.

Q: You were trained in basic visual perception under the highly esteemed National Academy of Sciences member Dr. Julian Hochberg, how did you become interested in human factors research?

Dr. Hochberg was a member of the Committee on Human Factors for the National Research Council of the National Academy of Sciences. Thus, he was aware of the pressing applied issues and the relevance of theory to these issues. He told me that “without applied research there will be no basic research” and he encouraged me to get involved in applied research.

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After graduating from Columbia University, I completed a National Research Council post-doctoral fellowship at Wright-Patterson Air Force Base, where I conducted research on visual perception of collision and implications for low altitude flight under the sponsorship of Dr. Rik Warren. I also worked in the ‘Night Vision Goggle Lab’ with Dr. Lee Task, where I measured depth perception under conditions of wearing night vision goggles. After completing my postdoctoral fellowship, I joined the Department of Psychology at Texas Tech University in 1991. Since then, I have served as the Program Coordinator of the Human Factors Program.

**Q. You have done research in several domains ranging from driving to healthcare to sports. Has work in any one domain helped your research in another domain?**

My research integrates basic and applied research. I examine my theoretical research for its practical implications. I examine my applied work for its theoretical implications. All of my work is guided by the theoretical literature and ultimately strives toward an ideal of identifying principles of behavior that generalize across applied domains. The implication is that the results from one practical domain (e.g., driving) can be used to help understand behavior and potentially solve problems in other practical domains (e.g., healthcare). For example, if I understand the information that people use to avoid a collision while driving, it will help me understand how they may intentionally make a collision while trying to hit a softball.

**Q. What has been the most exciting aspect being in the field of human factors?**

The most exciting part has been building the Human Factors program at Texas Tech University. When I joined the Department of Psychology in 1991, I was the only faculty member in the area of Human Factors. Now, there are four faculty slots devoted to the area of Human Factors. In addition, since I arrived the program became fully accredited by HFES. We expanded the curriculum in human factors and we have many more students. We also have a thriving student chapter which has been receiving national recognition. Our program has come a long way and it has been exciting to see this evolution.

**Q. Do you see any challenges for the field of Human Factors/Applied Experimental Psychology?**

I believe that our field is facing a workforce shortage. There are not enough human factors experts to meet the demands in the field. These demands are coming from industry, academia and government and the demands are increasing. For example, with the nation’s air traffic expected to double, and technology expected to be the solution to the resulting air traffic issues, human factors researchers are needed to help design the technologies. Similarly, with the Institute of Medicine’s call to reduce what it identified as the epidemic of medical errors, human factors researchers are needed to improve healthcare. These are pressing issues being added to those always present in the areas of transportation and computers, and other industries. Moreover, most graduates in the field of human factors enter the industry sector rather than academia. It is not clear who will replenish the ranks of academicians who retire.
Dear DIV21 members,

I hope you will share my excitement about our Division’s program at this year’s 116th APA Convention in Boston. The program features addresses by Robert Helmreich (From Charm School to Threat and Error Management: The evolution of Human Factors Training in Aviation and Medicine), Ben-Tzion Karsh (Moving beyond the Status Quo: Human Factors to Improve Health Care Quality and Safety) and Raymond Nickerson (From Vacuum Tubes to Nanochips and Beyond: Changing Challenges to Applied Experimental and Engineering Psychology).

As in the past we will have an award session where Rob Gray as recipient of the Earl A. Alluisi Award for Early Career Contributions and Julian Sanchez as recipient of the George E. Briggs Dissertation Award will present some of their high quality work.

We also have some continuations of past successful features. We are continuing with our successful Spotlight Series of presentations, this year featuring the Georgia Institute of Technology. A continuation of our successful workshop on Games to explain Human Factors by Sharon Grossman and Ron Shapiro to introduce a wider audience to Human Factors taking a more playful approach.

Overall we will have a wide range of topics that will be covered in some of the sessions and address presentations, including areas of ageing, aviation, health care, interruptions, multi-tasking and attention, decision-making, and fatigue For those of you more interested in numbers: we have a total of eight symposia, two paper sessions, one workshop and one poster session. Including the presidential address we will have four addresses.

Finally, let me take this as an opportunity to express my thanks to all of those of you who were supportive of developing this program. I think we can look forward to a number of great sessions!

~Frank Drews

APA 21 is pleased to buy dinner for its members who will be in Boston (drinks not included), but in order for this to happen, we need an accurate headcount to make arrangements with the restaurant.

Thanks to Amy Alexander, our local arrangements person, this year's Dinner-21 will be at the Daily Catch. According to Zagat, food is a 24 [out of 30] and service an 18. Decor is, well let's call it local color. Dinner will be Thursday at 7 pm, after the Div 21 business meeting. The restaurant is about half a mile from the Division's hotel, the Westin Boston Waterfront.

I hope you and your partner can join us. Dinner is free for members and $30 for arm candy of either gender. But, please respond soon with the number in your party and how many will be members of the Division and how many will be guests. Drop an email with Dinner-21 in the subject line to frank.durso@ttu.edu.

~Frank Durso
08/14/2008

**Time: 8:00AM - 9:50AM**
Session Type: Executive Committee Meeting
Building: Westin Boston Waterfront Hotel
Room Description: Hale Room
Room Location: Mezzanine Level

**Time: 10:00AM - 11:50AM**
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 104C
Room Location: Meeting Level 1
Session Title: *Highlighting Engineering Psychology at the Georgia Institute of Technology*
Chair: Wendy A. Rogers, PhD

**Participant/First author:**
Elsa Eiriksdottir, MS
*Title: Problem Solving and Educational Technology Lab*
*Co-authors: Jesse Zolna, MS; Brian Gane, MS; Sung Park, MS; Keith Bujak, MS; Keith Kline, MS; Richard Catrambone, PhD*

**Participant/First author:**
Nicholas J. Kelling, MS
*Title: The Time Is Now! Vehicles Must Fully Adapt to Drivers, Not Just Their Radio Stations*
*Co-authors: Gregory M. Corso, PhD*

**Participant/First author:**
Bruce N. Walker, PhD
*Title: Engineering Psychology in the Georgia Tech Sonification Lab*

**Participant/First author:**
Ken Hailston MS, Georgia Institute of Technology
*Title: Examining the Effects of Simultaneous Feature Priming on Target Identification and Localization Tasks in Visual Search*
*Co-authors: Elizabeth T. Davis, PhD*

**Participant/First author:**
Cara B. Fausset, BS
*Title: Toward an Understanding of Successful Aging in Place: A Needs Analysis*
*Co-authors: Andrew K. Mayer, BS; Wendy A. Rogers, PhD; Arthur D. Fisk, PhD*

**Participant/First author:**
Andrew K. Mayer, BS
*Title: Effects of Automation Reliability, Error Type, and Age on Reliance and Compliance Behavior*
*Co-authors: Arthur D. Fisk, PhD; Wendy A. Rogers, PhD*

**Participant/First author:**
C.J. Hutto, MS
*Title: Human Systems Integration at GTRI: Improving Human Performance for the U.S. Navy*
*Co-authors: Dennis J. Folds, PhD*

**Discussant:**
Arthur D. Fisk, PhD
**Time: 12:00PM - 12:50PM**

Session Type: Symposium  
Building: Boston Convention and Exhibition Center  
Room Description: Meeting Room 150  
Room Location: Meeting Level 1  
Session Title: Psychologists Look at Aviation Safety Today and Prepare for the Future  
Chair: David J. Schroeder, PhD  
Participant/First author:
- Carla A. Hackworth, PhD  
  *Title: Online Human Factors Analysis and Classification System*  
  *Co-authors: Kali A. Holcomb, BS*

Participant/First author:  
- Scott A. Shappell, PhD  
  *Title: Toward a Better Understanding of Pilot Weather Decision Making*

Participant/First author:  
- Thomas R. Chidester, PhD  
  *Title: Sharing Airline Flight Data and Safety Reports to Identify and Reduce Risk*

Participant/First author:  
- Jerry M. Crutchfield, PhD  
  *Title: Air Traffic Controller Human Factors in the NextGen System: Identifying the Issues*

Participant/First author:  
- Thomas R. Chidester, PhD  
  *Title: Sharing Airline Flight Data and Safety Reports to Identify and Reduce Risk*

**Time: 1:00PM - 1:50PM**

Session Type: Invited Address  
Building: Boston Convention and Exhibition Center  
Room Description: Meeting Room 257A  
Room Location: Meeting Level 2  
Participant: Ben-Tzion Karsh, PhD  
Presentation Title: *Moving Beyond the Status Quo: Using Human Factors and Psychology to Change the Conversation About Health Care Quality and Safety*  
Chair: Frank A. Drews, PhD  
Participant/1stAuthor:  
- Ben-Tzion Karsh, PhD  
  *Title: Moving Beyond the Status Quo: Using Human Factors and Psychology to Change the Conversation About Health Care Quality and Safety*

**Time: 2:00PM - 3:50PM**

Session Type: Symposium  
Building: Boston Convention and Exhibition Center  
Room Description: Meeting Room 259A  
Room Location: Meeting Level 2  
Session Title: Performance Psychology in the 21st Century-New Opportunities and Approaches  
Chair: Linda K. Hamilton, PhD  
Participant/1stAuthor:  
- Kate F. Hays, PhD  
  *Title: Toward a Positive Psychology of the Body*

Participant/1stAuthor:  
- Shane M. Murphy, PhD  
  *Title: Video Game Play: Positive and Negative Psychological Influences*

Participant/1stAuthor:  
- Doug Hankes, PhD  
  *Title: University Counseling Center as Community: Exercises in Outreach*

Discussant:  
- Linda K. Hamilton, PhD
**Time: 3:00PM - 3:50PM**  
Session Type: Poster Session  
Building: Boston Convention and Exhibition Center  
Room Description: Exhibit Halls A and B1  
Room Location: Exhibit Level  
Participant/1stAuthor:  
  Adrian Musters, BS  
  *Title:* Model for Understanding Task, Interruption, Person, and Effect Relationships  
Participant/1stAuthor:  
  Frank A. Drews, PhD  
  *Title:* Text Messaging While Driving  
  *Co-authors:* David L. Strayer, PhD  
Participant/1stAuthor:  
  Lee Gugerty, PhD  
  *Title:* Effects of Map Configuration in Electronic Map Displays  
  *Co-authors:* Will Rodes, PhD  
Participant/1stAuthor:  
  Patrick D. Lorimer, BS  
  *Title:* Data Displays for the ICU: Problems and Solutions  
  *Co-authors:* Frank A. Drews, PhD

**Time: 4:00PM - 4:50PM**  
Session Type: Presidential Address  
Building: Westin Boston Waterfront Hotel  
Room Description: Paine Room  
Room Location: Lobby Level  
Participants: Francis T. Durso, PhD  
Presentation Title: *Safer by Analogy: Aviation and Patient Safety*

**Time: 5:00PM - 5:50PM**  
Session Type: Business Meeting  
Building: Westin Boston Waterfront Hotel  
Room Description: Paine Room  
Room Location: Lobby Level

**08/15/2008**  
**Time: 8:00AM - 9:50AM**  
Session Type: Symposium  
Building: Boston Convention and Exhibition Center  
Room Description: Meeting Room 104B  
Room Location: Meeting Level 1  
Session Title: *Applying Spatial Cognition to Complex Tasks and Tools*  
Co-chairs: Lee Gugerty, PhD; Sarah Creem-Regher, PhD  
Participant/1stAuthor:  
  Madeleine Keehner, PhD  
  *Title:* Spatial Skills and Visualization in Medicine  
Participant/1stAuthor:  
  Holly Taylor, PhD  
  *Title:* Spatial Depictions and Descriptions and the Application to GPS Development  
  *Co-authors:* Tad T. Brunye, PhD; Keith B. Maddox, PhD  
Participant/1stAuthor:  
  Barbara Tversky, PhD  
  *Title:* Spatial--Cognitive Principles of Graphic Displays  
Participant/1stAuthor:  
  Dennis R. Proffitt, PhD  
  *Title:* Influence of Computer Displays on Spatial Knowledge and Memory
Participant/1stAuthor:
  Harvey S. Smallman, PhD
  
  Title: Terrain Simplification for Route Laying: When Less Can Be More

Participant/1stAuthor:
  Caroline Cao, PhD
  
  Title: Navigation in a Nonrigid Environment: Colonoscopy

Participant/1stAuthor:
  Glenn Gunzelmann, PhD
  
  Title: Spatial Aspects of Unmanned Aerial Vehicle Reconnaissance: A Computational Cognitive Modeling Approach

**Time: 2:00PM - 2:50PM**

Session Type: Invited Address
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 157B
Room Location: Meeting Level 1
Participant: Raymond Nickerson, PhD
Presentation Title: From Vacuum Tubes to Nanochips and Beyond: Changing Challenges to Applied Experimental and Engineering Psychology in the Information Age
Chair: Francis T. Durso, PhD

**Time: 3:00PM - 3:50PM**

Session Type: Workshop
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 156C
Room Location: Meeting Level 1
Session Title: Games to Explain Human Factors-Come, Participate, Learn, and Have Fun
Co-chairs: Sharon Grossman, MS; Ronald G. Shapiro, PhD
Participants:
  Riki S. Koenigsberg, PhD
  Eileen M. McKenna, MS
  James F. Chace, Jr., MBA, MEd

**Time: 4:00PM - 4:50PM**

Session Type: Invited Address
Building: Boston Convention and Exhibition Center
Room Description: Meeting Boom 156B
Room Location: Meeting Level 1
Session Title: Award Session
Chair: Francis T. Durso, PhD
Participant/1stAuthor:
  Rob Gray, PhD
  
  Title: Vision in Driving, Flying, and Sports
  Julian Sanchez, PhD
  
  Title: Effects of False Alarms and Misses as a Function of System State

**Time: 5:00PM - 5:50PM**

Session Type: Paper Session
Building: Boston Convention and Exhibition Center
Room Description: Meeting Boom 156B
Room Location: Meeting Level 1
Session Title: Review and Current Status of Cognitive Fatigue Research
Chair: Frank A. Drews, PhD
Participant/1stAuthor:
  Phillip L. Ackerman, PhD
  
  Title: Review and Current Status of Cognitive Fatigue Research
Time: 8:00AM - 9:50AM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 158
Room Location: Meeting Level 1
Session Title: Collaborative Systems in Health Care - Implications for Improving Patient Safety
Chair: Daniel G. Morrow, PhD
Participant/1stAuthor:
  Jiajie Zhang, PhD
  Title: Distributed Cognition and Information Technology in Collaborative Work

Participant/1stAuthor:
  Yan Xiao, PhD
  Title: Coordination and Workflow of Operating Rooms: Technology Support for Collaboration
  Co-authors: Jacob Seagull, PhD; Peter Hu, MS; Colin Mackenzie, MD; Young-Ju Kim, PhD; Richard Dutton MD

Participant/1stAuthor:
  Douglas Wiegmann, PhD
  Title: Mechanisms of Error Management in Health Care Systems: Theory and Application

Discussant:
  Emilie Roth, PhD

Time: 9:00AM - 9:50AM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 206B
Room Location: Meeting Level 2
Session Title: Conceptual Framework and Application to the Linkage Among Physical Load, Attention Style, and Flow Experience
Co-chairs: Selen Razon, MS; Gershon Tenenbaum, PhD
Participant/1stAuthor:
  Jasmin C. Hutchinson, PhD
  Title: Attention Focus During Physical Effort: The Influence of Task Intensity
  Co-authors: Gershon Tenenbaum, PhD

Participant/1stAuthor:
  Cathleen Connolly, PhD
  Title: Attentional Strategies and Flow Experience Under Varied Levels of Workload
  Co-authors: Gershon Tenenbaum, PhD

Participant/1stAuthor:
  Christopher Stanley, PhD
  Title: Attention Intervention Effect on Perceived Exertion
  Co-authors: David Pargman, PhD; Gershon Tenenbaum, PhD

Time: 10:00AM - 11:50AM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 158
Room Location: Meeting Level 1
Session Title: Interruptions Across Applied Domains
Chair: Chris Monk, PhD
Participant/1stAuthor:
  Mary Czerwinski, PhD
  Title: Human-Computer Interaction

Participant/1stAuthor:
  Loukia D. Loukopoulos, PhD
  Title: Aviation
Participant/1stAuthor:
Mark St. John, PhD
Title: Military

Participant/1stAuthor:
Chris Monk, PhD
Title: Driving

Participant/1stAuthor:
Greg Trafton, PhD
Title: Theoretical Perspective
Co-authors: Raj Ratwani, PhD

Time: 12:00PM - 12:50PM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 257B
Room Location: Meeting Level 2
Session Title: Decision Making in Dynamic and Complex Environments
Chair: Cleotilde Gonzalez, PhD
Participant/1stAuthor:
Poornima Madhavan, PhD
Title: Human-Automation Interaction in Dynamic-Decision Environments: Role of Individual Differences

Participant/1stAuthor:
Angela Brunstein, PhD
Title: Steak Tonight? Estimating the Likelihood Based on Earlier Dinner Experience

Participant/1stAuthor:
Wei Siong Neo, BA
Title: Innate and Learned Trust in Economic Situations

Participant/1stAuthor:
Varun Dutt, MA
Title: Human Perceptions in Climate Change

Time: 1:00PM - 1:50PM
Session Type: Invited Address
Building: Boston Convention and Exhibition Center
Room Description: Meeting Boom 156B
Room Location: Meeting Level 1
Session Title: Franklin Taylor Award
Chair: Scott A. Shappell, PhD
Participant/1stAuthor:
Robert Helmreich, PhD
Title: From Charm School to Threat and Error Management: The Evolution of Human Factors Training in Aviation and Medicine

08/17/2008

Time: 8:00AM - 9:50AM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 156C
Room Location: Meeting Level 1
Session Title: Aging, Health, and Technology – Findings from CREATE
Chair: Sara J. Czaja, PhD
Participant/1stAuthor:
Sara J. Czaja, PhD
Title: Technology and Access to Health Care Services Among Older Adults
Co-authors: Joseph Sharit PhD; Chin Chin Lee, MS, MPH; Sankaran N. Nair, MS

Participant/1stAuthor:
Kelly E. Caine, MS
Title: Age, Health, Race, and Income in Health-Related Search
Co-authors: Arthur D. Fisk, PhD; Wendy A. Rogers, PhD

Participant/1stAuthor:
Joseph Sharit, PhD
Title: Effects of the Internet on Older Adult Health Information Needs and Patient–Physician Interaction
Co-authors: Sara J. Czaja, PhD; Jessica Hirth, MS

Participant/1stAuthor:
Neil Charness, PhD
Title: Maintaining a Healthy Work Environment: Office Ergonomics at Work and Home for Younger and Older Workers
Co-authors: Katinka Dijkstra, PhD; Tiffany Jastrzembski, PhD; Sallie Weaver, BS; Michael Champion, BS

Discussant:
Jonathan W. King, PhD

Time: 10:00AM - 11:50AM
Session Type: Symposium
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 161
Room Location: Meeting Level 1
Session Title: Attention and Dual-Task Control in Natural Settings
Chair: David L. Strayer, PhD

Participant/1stAuthor:
Chris Wickens, PhD
Title: Multiple Resources Models of Attention

Participant/1stAuthor:
Dario Salvucci, PhD
Title: Threaded Cognition and Driver Distraction

Participant/1stAuthor:
Benjamin K. Bergen, PhD
Title: Crosstalk Hypothesis: Why You Can Walk and Chew Gum but Not Talk and Drive

Participant/1stAuthor:
Jason Watson, PhD
Title: Individual Differences in Cognitive Control: Using Operation Span to Measure Individual Differences in Cell Phone-Induced Driver Distraction
Co-authors: David L. Strayer, PhD

Time: 12:00PM - 12:50PM
Session Type: Paper Session
Building: Boston Convention and Exhibition Center
Room Description: Meeting Room 161
Room Location: Meeting Level 1
Session Title: Engineering Psychology Mix
Chair: Frank A. Drews, PhD

Participant/1stAuthor:
Rob Gray, PhD
Title: Using Multisensory Information About the Success of a Baseball Swing

Participant/1stAuthor:
Kerstan S. Mork, MA
Title: Effects of Route Type on Situation Awareness While Driving
Co-authors: Elizabeth S. Schmidlin, BA; Francis T. Durso, PhD

Participant/1stAuthor:
Heidi S. Kramer, BS
Title: Decision Making in Public Health
Co-authors: Laverne A. Snow, MPA; Matthew Samore, MD; Frank A. Drews, PhD