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David Schroeder, FAA Civil Aerospace Medical Institute

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Nicole Werner, George Mason University

Mentorship Chair

Ronald Shapiro, Independent Consultant

Editor, JEP: Applied

Wendy Rogers, Georgia Institute of Technology

Newsletter Editor

Meghan Rogers, Delta Air Lines

We are grateful to all of our members for their time and effort in serving the division.

Division of Applied Experimental and Engineering Psychology: Division 21 of the American Psychological Association

VOLUME 35, NUMBER 2

SUMMER 2012

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2012 Division Awards

We are pleased to announce the recipients of the 2012 Division 21 Awards:

Franklin V. Taylor Award for Outstanding Contributions in the Field of Applied Experimental/Engineering Psychology:
Penelope Sanderson

Earl Alluisi Award for Early Career Achievement:
Poornima Madhavan

George E. Briggs Dissertation Award:
Tobias Grundgeiger

Raymond Nickerson JEP: Applied Award:
Garcia-Retamero, R. & Cokely, E. (2011). Effective communication of risks to young adults: Using message framing and visual aids to increase condom use and STD screening.

These award recipients were invited to deliver an address at the 2013 APA Convention in Honolulu, Hawaii.

I hope you will attend the addresses of last year's award recipients at the 2012 APA Convention on Aug 2-5 in Orlando, Florida:

Taylor Award – Frank Durso
Alluisi Award – William (Deak) Helton
Briggs Award – Deborah Billington
Raymond Nickerson JEP: Applied Award - Matthew A. Palmer, Neil Brewer, and Nathan Weber

Congratulations to all award recipients!

Sincerely,

Pat DeLucia
Division 21 Awards Committee Chairperson
Immediate Past-President of APA Division 21



Toolkit for Program Chairs

In this article, I am highlighting some of the steps that I employed in my tenure as APA Division 21 Program Chair to organize the program. These strategies may prove beneficial for future Program Chairs.

- Put up the call for proposals in as many venues (including social networking websites) as possible. This includes:
 - APA division 21 listserv
 - APA and HFES groups on LinkedIn
 - The Humanfactors blog website (<http://humanfactorsblog.org/contact-us/>)
 - Facebook
- Came up with symposium or paper themes that would potentially attract more attendees. For example, because this year's conference is in Orlando, a topic that was included in the program is the application of human factors and ergonomics in Disney.
- Solicited participation from a local University, with a "Focus on a University" session. For example, this year the focus will be on the human factors research conducted in University of Central Florida. In addition to a symposium, there are also several poster sessions that will be presented by undergraduate and graduate students.

- Solicited participation from local human factors practitioners. This works well for these individuals because it is a resume booster and is cheaper.
- Attempted to increase cross-divisional participation by including presentations that would cater to other divisions such as military and clinical psychology. For example, this year we have a session on "Military human factors". In fact, there are several sessions this year that Program Chairs of other divisions requested to be co-listed with.
- Reached out to colleagues and friends in the Human Factors field to seek their interest in participating in the conference. Often times, I proposed a potential theme for a talk or symposium.
- Reached out to the individual who was most recently elected Fellow of the Division to determine his interest in participating in the program.

Special thanks to Anne McLaughlin, the 2011 Program Chair who passed down all her strategies to me. I could not have done this without her help!

By Arathi Sethumadhavan
Human Factors Scientist, Medtronic, Inc.

The Frederick Howell Lewis Distinguished Lecture. American Psychological Association, Orlando, August 2012.

APES OF FAITH: THE PSYCHOLOGY OF SELF-SYMBIOSIS

Peter Hancock, Department of Psychology and the Institute for Simulation and Training, University of Central Florida, Orlando, FL 32826.



Dr. Peter Hancock

When we talk of psychology we talk of individuals; their minds and their brains and how they operate alone and

amongst groups of other human beings. In recent decades, we have realized the crucial importance of context and the fact that behavior is conditioned by nature and nuances of the world that surrounds us. But in reality, what surrounds us is technology. And now that technology is so pervasive that it

not only surrounds us, it penetrates us. It so conditions who we are that I am going to argue that the psychology of the unaided individual is dying. You, who represent the future of the discipline, the science, and the profession, have to ask yourselves whether *homo sapiens* is now obsolete and *homo technicans* has ascended to supremacy?

I will argue in this presentation that we are now seeing the full realization of a new type of species; one that is *self-symbiotic*. That is, we have evolved into a

hybrid organism, which has acted to create the tools that now create us. Soon, we will not simply be cognitively welded to our devices, they will live in us and we will live through them. What of the singular mind and traditional psychology in such a world? I am no optimist and not sanguine about this development. I see the brain as a tumor, consciousness as pathology, and our species as a virus. If you come to hear my lecture, prepare to defend the antithesis – if you dare!

New Division 21 Website

Our Division 21 website will soon be migrating to an all new site managed by APA Division services! What this means to us: we will have a professionally designed website complete with a logo for our division, a streamlined landing page layout, and a modern color scheme. If you would like to be a part of this process, please join our small committee as

we make a few decisions regarding the new website. We are just beginning to review a couple of layout templates as well as a few color schemes. Later we will discuss what content should migrate and what should be archived. For more information, please contact Beth Blickensderfer (blick488@erau.edu).

Research Highlights

Do you have any recent publications you would like to share with other Division 21 members? Beginning with the next Division 21 newsletter, a new column highlighting members' publications will be included. If you would like your publication announced, please submit the citation information and a short 2-3 sentence summary to Meghan Rogers (meghanrogers23@gmail.com).

DoD Human Factors Engineering Technical Advisory Group (HFE TAG) By Gerald P. Krueger and Stephen C. Merriman

In May 2012, the 67th meeting of the DoD HFE TAG was held in Dayton, Ohio. It was hosted by the U.S. Air Force 711th Human Performance Wing (HPW) at Wright-Patterson AFB. The theme was *Meeting the Human Factors Challenges of Future Unmanned Systems*. Over 160 attendees included representatives of OSD, Army, Navy, Air Force, NASA, FAA, Coast Guard, Department of Homeland Security, Nuclear Regulatory Commission, as well as a collection of technical representatives of professional societies, academia and invited speakers, making this the largest attended TAG ever. CAPT Dylan Schmorrow, USN, Deputy Director of OSD's Human Performance, Training and Bio-Systems Research Directorate chaired the meeting.

The meeting offered numerous presentations of interest to our Engineering Psychology community – only a few are highlighted here. Maris Vikmanis of the 711th HPW and chair of the Human Systems Community of Interest Working Group provided an overview of Human Systems activities since the early 1990s, a time of “Tactical Decision Making Under Stress.” He indicated the latest Quadrennial Defense Review in identifying Key mission areas as drivers, highlighted several with human behavior implications. Unmanned vehicle development is having a major influence over current R&D, with a goal to move closer to “full autonomy” of unmanned systems. Decision-making is emerging as an important area of investigation and neural science is getting a lot of attention. For human factors psychologists, these areas are primary: physical fitness, cognitive fitness, neural fitness and biological fitness.

The Human Systems Community of Interest (COI) was established in June 2009. It is chaired by Jack Blackhurst of 711th HPW. The COI includes representatives of 17 different DoD, Army, Navy, and Air Force organizations. Its main Human Systems focus areas are: Systems Interfaces; Personnel and Training; Social and Cultural Understanding; and Personnel Protection and Sustainment.

John Tangney (ONR) described the Human Systems Priority Steering Council, established in April 2011, to “enhance human-machine interfaces to increase productivity and effectiveness across a broad range of missions.” In Training the challenges include: validating tools to optimize training, and exploiting the science of learning while developing valid performance measures. Realistic, adaptive and interactive scenario-based training must adapt to individual needs of warfighters in near real-time. In terms of human-machine teaming, we must develop representation and inference frameworks to enable natural language dialogue and employ iterative learning user models via natural, multi-modal interfaces (e.g. gesture, natural language dialogue). Interfaces and decision-support technologies must be designed to help cope with information overload by adapting to or enhancing capabilities of users. Human-centric information systems must deliver the right information to the right person at the right time.

Other topics of interest to engineering psychologists included: MANPRINT applications to Robotic Interface Design; Unmanned Aircraft Networks which depict war as being less about force and more about information, emphasizing Situation Awareness in modern conflict; biometrics technology; cockpit spatial strategies to better orient warfighters tasked with manned or unmanned piloting aircraft, ships, and land vehicles in an attempt to improve performance and to avert aircraft mishaps, inadvertent bomb drops, and collisions at sea; manned control of multiple unmanned aircraft; macro-cognition modeling of decision-making during over-constrained task loads and under information overload conditions; selection of unmanned aerial system (UAS) operators; communication and coordination between UAS and manned aircraft crews; psychological and performance testing of Air Force remotely piloted aircraft pilots; improving UAS performance by understanding the operator; USAFRL's UAS training research program; a tool for assessing metrics in evaluating nuclear power plant design; a NASA sponsored human factors analysis support tool (H-FAST); and others.

The Human Factors Standardization SubTAG announced that the latest updated HFE standard, MIL-STD-1472G was approved in January 2012 and it is now available on line.

Selected briefings from TAG-67 will be available on the DoD HFE TAG website: <http://www.hfetag.com/>. The next meeting (TAG-68) will be held November 6th-10th, 2012 at the FAA, Technical Center near Atlantic City, NJ.

Jerry Krueger
JerryKrueg@aol.com

Division 21 Outreach Program

Games To Explain Human Factors: Come, Participate, Learn & Have Fun!!! is a highly interactive program which Division 21 members may use to help explain our field to middle school, high school, college and university students, youth groups, community groups and professionals in other fields. During the past year versions of the program have been presented to engineering students (Tufts University), environmental educators (New England Environmental Education Alliance), environmental health and safety leaders in the telecommunications industry (Environmental Health and Safety Professionals Panel), science teachers (Rhode Island Science Teachers Association), girl scouts, high school psychology students and college psychology students. A summary of activities from the program was presented to psychologists (Eastern Psychological Association).

Each year, Division 21 presents a 2 hour version of the **Games** program for college faculty, high school teachers, high school, graduate, and undergraduate students at the annual convention. Typically, the program is one of the larger Division 21 programs. This year, the program will be held in the Orange County Convention Center (Orlando, FL), Room W303B, on Friday August 3, 2012 from 4:00 to 5:50 PM. The program will be presented by: Ron Shapiro who designed the original program, Human Factors professional Arathi Sethumadhavan, University of Central Florida Psi Chi President Melissa Robin, University of Baltimore Psi Chi President Simone Bolton, and High School Teacher John Su. John was the Champion at the 2009 **Games** program at APA in Toronto, and two of his students (Julia Abramova and Max

Levin) were semifinalists at the 2011 Games program at APA in Washington DC.

Division 21 members who are interested in learning how to present the program may wish to attend. Similarly Division 21 members are encouraged to invite high school teachers, college faculty, family members and students who will be attending APA in Orlando to participate in this program.



Tufts University Engineering Student Elizabeth Prend after completing the Details Activity in which she attempted to identify what was on her left hand (her ring) while blindfolded.

To request a copy of the **Games** program for use in your not-for-profit educational activities, Division 21 members may send an email to DrRonShapiro1981@SigmaXi.Net from an email address which accepts large (10 meg) file attachments and accepts confidential email which is not subject to public disclosure. Include your name, Division 21 membership status, address, telephone number, and a brief explanation of how you plan to use the program in your request.

Join Us for Division 21 Dinner!



Attending the 2012 APA convention in the heart of the magical city of Orlando? If so, please be sure to RSVP that you will attend our Division 21 Dinner (by July 20th if possible).

While the dinner is always a highlight of the Division 21 convention experience this year's dinner promises to be extra special. You and your guest (or guests) are invited to join us for an authentic Ethiopian experience on Thursday, August 2nd at 6:30 pm (after the Division 21 business meeting).



The restaurant is conveniently located at 7048 International Drive (I-Drive), Orlando, FL, 32819. We'll carpool to the restaurant from the Division 21 business meeting.

If you are wondering what Ethiopian cuisine consists of, you will be pleasantly surprised by the variety of dishes for every taste. It offers number of special beef and lamb entrees for meat lovers, such as Moocow Special, Doro Wat, and Tibs. For those with a more subtle taste there are a variety of vegetarian and seafood dishes. Nile Ethiopian restaurant is loved and praised by the public and has been extensively reviewed in the local newspapers "Orlando Weekly", "Orlando Home & Leisure" and "Orlando Sentinel" (see for yourself at www.nile07.com).

To encourage all Division 21 members to attend the dinner the division purchases dinner for its members (including students). Dinner is only \$15 for partners or other non-member guests. Alcoholic beverages are not included.



Come and join your colleagues and friends for an authentic dinner experience and memorable coffee ceremony, fun for a coffee lover or not!

While we will do our best to accommodate late registrations, to ensure your seat is reserved (and to greatly facilitate our planning of the dinner) *your RSVP is required.*

Please send an email with the names of all attendees in your party and indicate whether they are Division 21 members (including students) or non-members to Jurate@knights.ucf.edu by July 20th, 2012. Please notify me of any changes in travel plans as well.

See you there!

Jurate Liutvinskaite, M.S.



PROGRAM SUMMARY SHEET

APA Annual Convention

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Executive Committee Meeting (N): [Executive Committee Meeting]	8/02 Thu: 7:00 AM - 8:50 AM	Peabody Orlando Hotel Celebration Room 3
<u>Chair</u> Joel S. Warm, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH		
Invited Address (S): Taylor Award Lecture	8/02 Thu: 10:00 AM - 10:50 AM	Convention Center Room W303B
<u>Participant/1stAuthor</u> Frank Durso, PhD, Georgia Institute of Technology <i>Title: Comprehension in the Wild</i>		
Invited Address (S): [Robert Proctor]	8/02 Thu: 11:00 AM - 11:50 AM	Convention Center Room W309A
<u>Participant/1stAuthor</u> Robert W. Proctor, PhD, Purdue University <i>Title: The American Journal of Psychology: 125 Years of Basic and Applied Experimental Research</i>		
Invited Address (S): Briggs/Alluisi Award	8/02 Thu: 2:00 PM - 2:50 PM	Convention Center Room W303A
<u>Participant/1stAuthor</u> William Helton, PhD, MA, University of Canterbury, Christchurch, New Zealand <i>Title: Earthquakes in Mind: Impacts of Disasters in Human Cognition</i> Deborah R. Billings, PhD, MS, University of Central Florida <i>Title: Investigating Adaptive Feedback Strategies in Simulation-Based Training</i>		
Presidential Address (N): [Joel S. Warm]	8/02 Thu: 4:00 PM - 4:50 PM	Peabody Orlando Hotel Celebration Room 10
<u>Participant/1stAuthor</u> Joel S. Warm, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH		
Business Meeting (N): [Business Meeting]	8/02 Thu: 5:00 PM - 5:50 PM	Peabody Orlando Hotel Celebration Room 10
<u>Chair</u> Joel S. Warm, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH		

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Paper Session (S): Technology and Health Care	8/03 Fri: 8:00 AM - 9:50 AM	Convention Center Room W309B

Participant/1stAuthor

Dan G. Morrow, PhD, University of Illinois at Urbana--Champaign

Title: Medtable: EMR-Based Support for Patient--Provider Collaboration and Medication Adherence

Co-Author: Chieh-Li Chin, BS, University of Illinois at Urbana--Champaign

Co-Author: Stacey McKeever, MPH, University of Illinois at Urbana--Champaign

Co-Author: Anna Madison, BS, University of Illinois at Urbana--Champaign

Co-Author: Katherine Davis, MPH, Northwestern University

Co-Author: Elizabeth A.H. Wilson, PhD, Northwestern University

Co-Author: Darren Kaiser, MS, Northwestern Medical Faculty Foundation, Chicago, IL

Co-Author: Michael Wolf, PhD, Northwestern University

Co-Author: Thembi Conner-Garcia, MD, University of Illinois College of Medicine

Co-Author: James Graumlich, MD, University of Illinois College of Medicine

Julia E. Hoffman, PsyD, VA National Center for PTSD, Menlo Park, CA

Title: Mobile Apps for Mental Health: Moving Toward Systemic Integration Using Open Architecture

Co-Author: Ida Sim, MD, University of California--San Francisco

Co-Author: Deborah Estrin, PhD, University of California--Los Angeles

David H. Gustafson, PhD, MS, University of Wisconsin--Madison

Title: Potentials and Pitfalls of Mobile Health Interventions

Co-Author: Fiona McTavish, MS, University of Wisconsin--Madison

Co-Author: Andrew Isham, MS, University of Wisconsin--Madison

Co-Author: Haile Berhe, BS, University of Wisconsin--Madison

Conversation Hour (S): High Velocity Human Factors Theory and Analysis---Military and Medical Domains	8/03 Fri: 10:00 AM - 10:50 AM	Convention Center Room W309A
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Participant/1stAuthor

Moin Rahman, MS, HVHF Sciences, LLC, Coral Springs, FL

Invited Address (S): Distracted Driving	8/03 Fri: 11:00 AM - 11:50 AM	Convention Center Room W303B
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Participant/1stAuthor

Linda S. Angell, PhD, Virginia Tech Transportation Institute

Title: Life Is a Highway: Using Driving to Explore Human Attention and Related Technology Applications

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Symposium (N): Human Factors in Disney	8/03 Fri: 3:00 PM - 3:50 PM	Convention Center Room W311E
<u>Chair</u>		
Robert C. Allen, PhD, Walt Disney Company, Orlando, FL		
<u>Participant/1stAuthor</u>		
Robert C. Allen, PhD, <i>Title: Applying Human Factors, Ergonomics, and Accessibility to Amusement Environments: The Disney Experience</i>		
Jonathan Ledbetter, MBA, University of Central Florida <i>Title: How Perceptual Principles Are Incorporated in Disney's Theme Park Design</i>		
Amira Mohamed-Ameen, BS, University of Central Florida <i>Title: Human Factors in Disney Media: An Accident Analysis of Jafar's Takeover of Agrabah</i>		
Symposium (S): Games to Explain Human Factors---Come, Participate, Learn, and Have Fun	8/03 Fri: 4:00 PM - 5:50 PM	Convention Center Room W303B
<u>Cochair</u>		
Ronald G. Shapiro, PhD, MA, Independent Practice, Providence, RI		
Arathi Sethumadhavan, PhD, MA, Medtronic, Minneapolis, MN		
<u>Participant/1stAuthor</u>		
Ronald G. Shapiro, PhD, MA, <i>Co-Author: Arathi Sethumadhavan, PhD, MA,</i> <i>Co-Author: Melissa Robin, University of Central Florida</i> <i>Co-Author: Simone Bolton, University of Baltimore</i> <i>Co-Author: John Su, MEd, BS, Col. Zadok Magruder High School, Rockville, MD</i>		
Paper Session (S): Psychology of Vigilance	8/04 Sat: 8:00 AM - 8:50 AM	Convention Center Room W104A
<u>Participant/1stAuthor</u>		
Matthew E. Funke, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH <i>Title: Neuroergonomic Dynamics Associated With Spatial Uncertainty During Vigilance Task Performance</i> <i>Co-Author: Joel S. Warm, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH</i> <i>Co-Author: Gerald Matthews, PhD, University of Cincinnati</i> <i>Co-Author: Gregory J. Funke, PhD, Air Force Research Laboratory, Wright-Patterson AFB, OH</i> <i>Co-Author: Peter Chiu, PhD, University of Cincinnati</i> <i>Co-Author: Michael Riley, PhD, University of Cincinnati</i>		
Grace W. Teo, BS, University of Central Florida <i>Title: The Effects of Knowledge of Results on Vigilance Training</i> <i>Co-Author: Gabriella M. Hancock, MS, University of Central Florida</i> <i>Co-Author: Tarah N. Schmidt, BS, University of Central Florida</i> <i>Co-Author: James L. Szalma, PhD, University of Central Florida</i> <i>Co-Author: Peter A. Hancock, PhD, University of Central Florida</i>		

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Paper Session (S): Military Human Factors	8/04 Sat: 9:00 AM - 10:50 AM	Convention Center Room W303B
<u>Participant/1stAuthor</u>		
Russell J. Branaghan, PhD, Arizona State University		
<i>Title: Aerial Detection of Improvised Explosive Device Threat</i>		
<i>Co-Author: Nancy J. Cooke, PhD, Arizona State University</i>		
<i>Co-Author: Jim J. Staszewski, PhD, Carnegie Mellon University</i>		
Geoffrey Ho, PhD, Defence R&D Canada--Toronto, ON		
<i>Title: Increasing Trust in Automated Target Recognition for AUV Minehunting</i>		
<i>Co-Author: Nada J. Pavlovic, MS, Defence R&D Canada--Toronto, ON</i>		
<i>Co-Author: G. Robert Arrabito, MS, Defence R&D Canada--Toronto, ON</i>		
<i>Co-Author: Vincent Myers, PhD, Defence R&D Canada--Atlantic, Halifax, NS</i>		
<i>Co-Author: Mike Tombu, PhD, Defence R&D Canada--Toronto, ON</i>		
<i>Co-Author: Ming Hou, PhD, Defence R&D Canada--Toronto, ON</i>		
Paul Bartone, PhD, National Defense University		
<i>Title: Psychological Hardiness Is Associated With Baseline Cholesterol Levels in Healthy Adults</i>		
<i>Co-Author: James Valdes, PhD, National Defense University</i>		
<i>Co-Author: Kathleen Jocoy, MA, National Defense University</i>		
<i>Co-Author: Anthony Spinoso, MS, National Defense University</i>		
<i>Co-Author: Jerome Buller, MD, National Defense University</i>		
Tony Costello, MS, SA Technologies, Inc., Marietta, GA		
<i>Title: Pedagogical Framework for Military Training Applications</i>		
<i>Co-Author: Fleet Davis, MS, SA Technologies, Inc., Marietta, GA</i>		
<i>Co-Author: Sandro Scielzo, PhD, SA Technologies, Inc., Marietta, GA</i>		
<i>Co-Author: Jennifer Riley, PhD, SA Technologies, Inc., Marietta, GA</i>		

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Poster Session (F): [Poster Session]	8/04 Sat: 11:00 AM - 11:50 AM	Convention Center West Hall A4-B3

Participant/1stAuthor

Alex Shrewsbury, Georgia Institute of Technology

Title: Individual Differences in the Perceived Reliability of an Automated Aid Used During Luggage Screening

Co-Author: Vlad Pop, BA, Georgia Institute of Technology

Co-Author: Frank Durso, PhD, Georgia Institute of Technology

Deborah R. Billings, PhD, MS, University of Central Florida

Title: What Is Trust? Defining the Construct Within and Across Domains

Co-Author: Kristin E. Schaefer, MS, University of Central Florida

Co-Author: Natasha Llorens, BS, University of Central Florida

Co-Author: Peter A. Hancock, PhD, University of Central Florida

Jada Stewart, MS, Nova Southeastern University

Title: Examination of Cognitive Correlates of Driving Performance Within a Normal Adult Sample

Co-Author: Sara Schleicher-Dilks, BA, Nova Southeastern University

Co-Author: Charles J. Golden, PhD, Nova Southeastern University

Adam Emfield, MA, BS, University of Central Florida

Title: Assessing the Relationship Between Working Memory and Vigilance

Co-Author: Jennifer A. Ludvigsen, BA, University of Central Florida

Co-Author: Nicholas A. Higgins, BS, University of Central Florida

Tracy L. Sanders, BS, University of Central Florida

Title: Physiological and Behavioral Cues: Identifying Their Potential Value in Measuring Human-Robot Trust

Co-Author: Natasha Llorens, BS, University of Central Florida

Co-Author: Deborah R. Billings, PhD, MS, University of Central Florida

Co-Author: Kristin E. Schaefer, MS, University of Central Florida

Co-Author: Peter A. Hancock, PhD, University of Central Florida

Co-Author: Lucas Driskell, AA, University of Central Florida

Co-Author: Tyler Long, AA, University of Central Florida

Timothy L. White, MS, BS, University of Central Florida

Title: Interruptions in Short-Term Memory

Co-Author: Julia L. Wright, BS, University of Central Florida

Co-Author: Tracy L. Sanders, BS, University of Central Florida

Co-Author: Gabriella M. Hancock, MS, University of Central Florida

Co-Author: Valerie Sims, PhD, University of Central Florida

Ashley M. Hughes, BS, University of Central Florida

Title: Ambiguity Tolerance and Emotion in Mood and Candidate Selection

Paul J. Oppold, BA, University of Central Florida

Title: Categorizing Handheld Entertainment Devices by Usability

Co-Author: Michael A. Rupp, BS, University of Central Florida

Co-Author: Mustapha Mouloua, PhD, University of Central Florida

Co-Author: John Martin, BA, University of Central Florida

Tarah N. Schmidt, BS, University of Central Florida

Title: IED Detection Under Alerted Conditions in a Video-Game-Based Environment Using a Two-Alternative Forced Choice Task

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
<i>Co-Author:</i> Grace W. Teo, BS, University of Central Florida <i>Co-Author:</i> Gabriella M. Hancock, MS, University of Central Florida <i>Co-Author:</i> James L. Szalma, PhD, University of Central Florida <i>Co-Author:</i> Peter A. Hancock, PhD, University of Central Florida		
Symposium (S): Focus on a University--- Human Factors Research Conducted in University of Central Florida	8/04 Sat: 12:00 PM - 1:50 PM	Convention Center Room W303A
<u>Chair</u> Peter A. Hancock, PhD, University of Central Florida		
<u>Participant/1stAuthor</u> Mark B. Neider, PhD, University of Central Florida <i>Title: Pedestrians, Cars, and Cell Phones; Examining the Effects of Divided Attention and Aging in a Realistic Virtual Reality Street-Crossing Task</i> Corey J. Bohil, PhD, University of Central Florida <i>Title: When Categories Distract: Classification Versus Identification of Military Equipment</i> Peter A. Hancock, PhD, <i>Title: Advances on Stress Theory: The Inverted-U As a Subcase of the Extended-U</i> Janan Smither, PhD, University of Central Florida <i>Title: Motorcycle Conspicuity</i> James L. Szalma, PhD, University of Central Florida <i>Title: Individual Differences Research and Application in Human Factors</i>		
Paper Session (N): Human Factors Potpourri	8/05 Sun: 9:00 AM - 10:50 AM	Convention Center Room W311E
<u>Participant/1stAuthor</u> Frank A. Drews, PhD, University of Utah <i>Title: Do Interruptions in the ICU Create Patient Hazards?</i> Christopher Brill, PhD, Old Dominion University <i>Title: Performance Differences in a Multimodal Target Selection Task</i> <i>Co-Author:</i> Elizabeth L. Ferguson, BS, Old Dominion University Tim Nichols, PhD, Microsoft Studios, Redmond, WA <i>Title: Natural User Input and Designing Intuitive Controls: Learnings From Kinect for Xbox 360</i> Ben D. Sawyer, BS, University of Central Florida <i>Title: Cybersickness, Dare I Speak Thy Name? Do Frequent Mentions of Simulator Sickness Increase Its Incidence</i> <i>Co-Author:</i> Audrey W. Fok, BS, BA, University of Central Florida <i>Co-Author:</i> Jennifer A. Ludvigsen, BA, University of Central Florida <i>Co-Author:</i> Peter A. Hancock, PhD, University of Central Florida		

DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE	DAY/TIME	FACILITY/ROOM
Poster Session (F): [Poster Session]	8/05 Sun: 11:00 AM - 11:50 AM	Convention Center West Hall A4-B3

Participant/1stAuthor

Kristin E. Schaefer, MS, University of Central Florida

Title: Trust in Human--Animal Interactions: A Review of Current Evidence

Co-Author: Deborah R. Billings, PhD, MS, University of Central Florida

Co-Author: Vivien Kocsis, BS, University of Central Florida

Co-Author: Jacquelyn Cook, BS, University of Central Florida

Co-Author: Maria Barrera, BS, University of Central Florida

Co-Author: Michelle Ferrer, BS, University of Central Florida

Co-Author: Peter A. Hancock, PhD, University of Central Florida

Julia L. Wright, BS, University of Central Florida

Title: Identifying the Role of Attributions in Human Perceptions of Robots

Co-Author: Tracy L. Sanders, BS, University of Central Florida

Co-Author: Jacquelyn Cook, BS, University of Central Florida

Co-Author: Peter A. Hancock, PhD, University of Central Florida

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Title: Effects of Multipassenger Conversation on Driver Distraction

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Title: A Comparison of Gamepad and Mouse on a Modified Fitts' Law Task Across Varying Levels of Workload

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Title: Traffic Accident History and Its Effects on Driving-Specific Motor Control

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Title: In-Vehicle GPS Operation May Relegate Driving to Secondary-Task Status

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Title: Event Rate Through a Dynamic Video-Game Environment in a Vigilance Task

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DIVISION PROGRAM SUMMARY SHEET

EVENT, TITLE and PEOPLE

DAY/TIME

FACILITY/ROOM

Title: M-Learning: Implications for Effective Use of Mobile Devices in Higher Education

Total Number of Sessions = 17