

Communiqué

Newsletter of the Southern Ohio Chapter, Human Factors & Ergonomics Society

Volume 33 Issue 5

December 2005

Mailing Address: Southern Ohio Chapter HFES, P.O. Box 31052, Dayton, OH 45437-0052

Web Site <http://www.cs.wright.edu/sochfes/>



“Wise sayings often fall on barren ground, but a kind word is never thrown away.”

– Sir Arthur Helps

Given my inability to conjure up anything remotely “wise” to say to such an educated audience as the membership of our local chapter, I thought it would be much more appropriate to offer a few kind words about our outgoing chapter officers. Thank you, thank you, thank you Gloria Calhoun, Scott Galster and Becky Singer for your expert leadership this past year. Our chapter is active and healthy largely due to the time and effort each of you has devoted to our organization. Thank you Greg Barbato for organizing our meetings and putting together a great slate of speakers throughout the year. Thank you Jesse Walker, our expert webmaster, for keeping our chapter’s web page in order. To give our membership an idea how dedicated these individuals are to our local chapter, Gloria has agreed to continue as our as editor of the Communiqué, Greg agreed to take one more year as our Program Chair, and Jesse offered to continue as Webmaster. We’re all very fortunate to have people like Gloria, Scott, Becky, Greg and Jesse working to keep the Southern Ohio Chapter as one of the most active and professional chapters in our Society.

Greg has arranged for Dr. John Reising to speak about the operator’s role in uninhabited military vehicles at our next meeting in December. For those fortunate enough to have heard John speak at a National HFES, a UAV conference or for that matter, any of his invited talks overseas, you know how knowledge-packed, dynamic and entertaining his presentations can be! You won’t want to miss John’s noon-time talk on Thursday, 8 December at Wright State. John’s bio, presentation details and meeting information can be found later in this newsletter.

On a final note, it’s almost that time of year to renew both our local and National HFES memberships. I’ve been a member of the local chapter and the National society for over 25 years now, and while our National dues have crept up over the years, I honestly don’t ever recall an increase in our local chapter dues...still a great deal at \$10 (\$5 for students). I’ll be looking for our chapter treasurer (Dr. Reising will be pulling double duty) at the meeting to once again take advantage of this great offer, with no coupon necessary! See you for lunch on December 8th.

Tim Barry
SOH President



**Invited
Presentation!!!
Brown-Bag Lunch**

Human Factors and Ergonomics Society/Southern Ohio Chapter

Dr. John Reising

Uninhabited Military Vehicles:

What Is the Role of the Operator?

**Thursday, 8 Dec 2005 at 1130 - Wright State University
Rm 339, Fawcett Hall**

Uninhabited military vehicles (UMVs) played a very important role in the recent events in Afghanistan and Iraq. They served to give command and control authorities continuous pictures of possible targets and also enabled a dramatic reduction in the time from when the target was identified until it could be engaged. A number of NATO countries are now using UMVs to augment their manned forces, especially in performing tasks that are dull, dirty, or dangerous. Force augmentation issues relevant to the human operator exist on several levels, including individual UMV control station design, vehicle interoperability, and integration of UMVs with manned systems. Human interface issues associated with individual UMV control station design include guaranteeing appropriate situational awareness for the task, minimizing adverse effects of lengthy system time delays, establishing an optimum ratio of operators to vehicles, incorporating flexible levels of autonomy (manual through semi-autonomous to fully automatic) and providing effective information presentation and control strategies. UMV interoperability requires development of a standard set of control station design specifications and procedures to cover the range of potential UMV operators and applications across military services and countries. Human factors considerations in integrating UMVs with manned systems include how manned systems should best collaborate with UMVs, deconfliction concerns, operation with semiautonomous systems, and command and control issues. The essence of this paragraph can be summarized by the following statement -- What is the proper role for the operator of UMVs?



The role the operator in future uninhabited military vehicles (UMVs) will be quite different from that of the operators of current vehicles such as the Predator. Future UMVs will contain associate systems that will incorporate varying levels of autonomy and dynamic function allocation as basic operating principles. These principles will enable the UMV operator and the associate to form a team consisting of two crewmembers -- one human and one electronic.

Dr. John Reising is an Engineering Psychologist in the Air Force Research Laboratory's Human Effectiveness Directorate located at Wright-Patterson Air Force Base. After receiving his Ph.D. in Industrial Psychology from Southern Illinois University in 1969, Dr. Reising joined the Bunker-Ramo Corporation where he investigated new control and display concepts for advanced cockpit designs. In 1972, he joined what is now called the Air Vehicles Directorate of the Air Force Research Laboratory (AFRL). His research centered on evaluating candidate cockpit technologies, including 3-D stereo cathode ray tubes, flat panel displays, touch sensitive overlays, voice controls, and programmable switches. In 1997, as part of creation of the AFRL, he joined the Warfighter Interface Division as its Technical Adviser. He is an AFRL Fellow and a HFES Fellow. He is also an adjunct professor at the University of Dayton, where he has taught Human Factors Engineering since 1984. He has over 100 publications.

Directions: WSU is between visitor's parking lot on north side & Colonel Glenn Hwy on south side. Roads entering campus off Colonel Glenn, University Blvd. (across Wendy's) & Center/Loop, have signs to Visitor Lot #9. From lot, walk towards campus. You'll be facing Allyn Hall. Fawcett (Room 339A) is on the other side of Allyn, across from the mall area. **Bring Parking Ticket for stamping!**

Questions: Greg Barbato at 937-255-6670. Map available at http://www.wright.edu/aboutwsu/maps/map_bw1.html.

Recent Annual Business Meeting

If you didn't come to our annual evening business meeting, you missed lots of fun! Highlights are described below. In addition, we welcomed the current officers:

Tim Barry (President), Mary Wesler (Secretary) and John Reising (Treasurer).

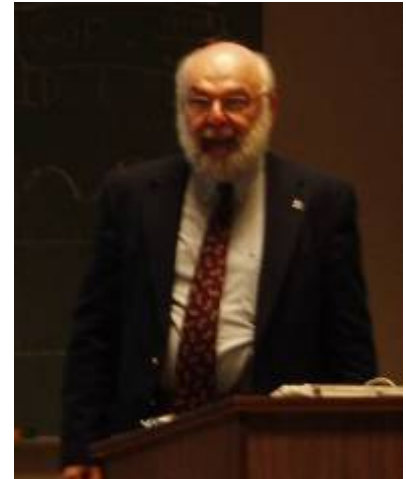
Winners of the recent election, our new officer-elects were also introduced:

Laura Militello (President), Kristen Liggett (Secretary), and Chris Hale (Treasurer).

Great Speaker! **Marvin Dainoff**, Incoming HFES

President, shared with Chapter members his perspective on the history, present, and future directions of the Society and Chapter.

Although past outstanding Incoming HFES Presidents have presented their views to the Chapter, Dr. Dainoff's presentation took on special significance because he previewed the presentation he is preparing for his Incoming Presidential Address at the HFES 50th Anniversary meeting. His historical overview of HFES documented important synergies between research and application. It highlighted leaders in the field including many from the Southern Ohio area such as Paul Fitts. His assessment of present and future challenges emphasized the value of similar synergies and leadership. He praised Chapter members and other HFES members for building on a solid foundation to meet current and future needs. Dr. Dainoff invited input and no doubt he is still open to ideas. So please share your ideas (dainofmj@muohio.edu) and plan to attend an inspiring Incoming Presidential Address next fall. Wayne Shebilske



New Honorary Member! **Tom Eggemeier** was presented a plaque in honor of his election



for the "Julien Christensen Honorary Membership" Chapter award. In the history of the Chapter, only ten Chapter Members have been selected for this award in recognition for their pioneering achievements that have benefited the Chapter, the Society, and the Human Factors profession. Tom joins our other current Honorary Members: John Kearns, Malcolm Ritchie, Benjamin Schohan, Don Topmiller, and John Reising. Tom expressed his appreciation and said that since he knew and had the utmost respect for Chris, to be chosen for an honor that carries his name adds a very special dimension for him.

Chapter's 40th? Anniversary! This meeting also marked the celebration of the Chapter's Anniversary – 40th or 41st, depending on what criteria you use to demark the start of the Chapter. More information on the age of the Chapter as well as some memories from several founding members are available in the October Communiqué available on the Chapter's web site. In honor of the Anniversary celebration, we had cake along with our traditional Milano subs. (Thanks to Scott Galster and Greg Barbato for honchoing the food!)



Dayton-Cincinnati Networking Event - World Usability Day Success!

About a dozen of our Chapter members attended the recent meeting organized by our neighbor Tri-State Chapter. Thanks to the hard work by Doug Gardner, the event drew about 80 people, with over 23 demonstrations, great food, and opening remarks by Marv Dainoff, President of HFES. The central event was a panel discussion moderated by Peter Jones on usability process and practices. The panelists represented LexisNexis, Ohio State University, Elsevier, and Reynolds and Reynolds. The only regret was that most felt there was insufficient time and plans should be made to make this a full day session next year.

Besides the great networking opportunities, attendance at this meeting was special in light of it being just one of many in this "Earth-Day-style-event". Events were scheduled in more than 70 cities in 30 countries on this *same day* - 3 November 2005, in honor of *World Usability Day*. The goal of the Usability Professionals' Association in organizing World Usability Day was to promote the value of usability engineering, user-centered design, and every user's responsibility to ask for things that work better. More information, as well a collection of interesting "everyday usability" stories, is available at <http://worldusabilityday.org/>.



Tim Barry and Gloria Calhoun
SOH Chapter Participants

Member News!!



Our Chapter Webmaster was mentioned in the November 2005 HFES Bulletin! Jesse Walker won the Graduate Student Sigma Xi Award for the best presentation at the University of Dayton's Stander Symposium. Congratulations, Jesse!

Save this Date: 18 March 2006 for Science Day Judging!

For the last five years, our Chapter, together with the local chapter of the Society for Information Display (SID), has presented awards for outstanding Human Factors/Information Display projects at the West District Science Fair. SID foots the bill and our Chapter judges the projects and makes the awards. We'd like to repeat this process this year, with the expert guidance of our Science Fair Chair Glenn Wilson. Be sure to keep Saturday morning, 18 March 2006 open for this annual Chapter service event! More information will be provided in the next Communiqué.

HFES and Chapter Dues Notice

HFES will be sending a 2006 Dues Renewal packet in the mail. Don't hastily pitch this mailing! It will contain the username and password that you can use to easily pay your 2006 National dues and update your membership record on-line at the new HFES web site, <http://hfes.org>.

Unfortunately, the Chapter doesn't have a vehicle for on-line payment. In fact, to date we've had a very informal process of asking for dues payment repeatedly in the Communiqué and not enforcing a deadline until "keep or delete" decisions have to be made for updating the Directory. With folks making payments across almost the whole calendar year, it is easy for folks to lose track of what year one is paying for! To help minimize this confusion, the Chapter will be sending a stand-alone "Dues Statement" early in 2006 that will hopefully be more straight-forward.

Upcoming Events Outside of SOH

Dec 11-14, 2005	Human Computer Interaction Track at International Conference on Information Systems , Las Vegas, NV, http://icis2005.unlv.edu/track11.htm
Dec 12-15, 2005	MODSIM05 – International Congress on Advances & Applications in Modeling & Simulation , Melbourne, Australia, http://www.mssanz.org.au/
Jan 9-12, 2006	44th AIAA Aerospace Sciences Meeting & Exhibit , Reno, NV, http://www.aiaa.org/
Mar 2-3, 2006	1st Annual Conf on Human-Robot Interaction , Salt Lake City, NV, http://www.hri2006.org/
Apr 12-13, 2006	Integrated Sensing Decision Support (ISDS) , Lexington, MA, http://www.ll.mit.edu/ISDS
Apr 17-21, 2006	SPIE , Orlando, FL, http://spie.org
Apr 22-27, 2006	CHI – Human Factors in Computing Systems , Montreal, Canada, http://www.chi2006.org/
May 14-19, 2006	77th Annual Scientific Meeting of the Aerospace Medical Association , Orlando, FL, www.asma.org
Jun 4-9, 2006	Society for Information Display , San Francisco, CA, http://www.sid2006.org
Jun 12-16, 2006	UPA 2006, Usability through Storytelling , Broomfield, CO, http://www.upassoc.org/conferences_and_events/upa_conference/2006/index.html
Jul 10-14, 2006	IEA 2006 International Ergonomics Association , Netherlands, http://www.iea2006.org/
Jul 26-29, 2006	28th Annual Meeting of the Cognitive Science Society (CogSci) , Vancouver, BC, Canada, http://www.cogsci.rpi.edu/~rsun/cogsci2006/ Abstract Call Deadline: Feb 1, 2006
Jul 30-Aug 3, 2006	ACM Siggraph Intern Conf on Computer Graphics & Interaction Techniques 2006 , Boston, MA, http://www.siggraph.org/s2006/ Abstract Call Deadline: Jan 24, 2006
Aug 21-24, 2006	AIAA Modeling and Simulation Technologies Conf , Keystone, CO, http://www.aiaa.org/
Aug 29-31, 2006	AUVSI's Unmanned Systems 2006 , Orlando, FL, http://www.auvsi.com
Sept 19-21, 2006	Space 2006 , San Jose, CA, http://www.aiaa.org/
Oct 11-14, 2006	9th Annual IEEE International Symposium on Wearable Computers , Montreux, Switzerland, http://www.cc.gatech.edu/ccg/iswc05/
Oct 15-18, 2006	18th Annual ACM Symp on User Interface Software & Technology (UIST 2005) , Montreux, Switzerland, http://www.acm.org/uist/
Oct 16-20, 2006	50th HFES Annual Meeting , San Francisco, CA, http://hfes.org/ Proposals by 1 Mar, 2006
Oct 23-25, 2006	44th SAFE Symp , Reno, Nevada, http://www.safeassociation.com
Dec 4-7, 2006	Interservice & Industry Training, Sim & Education Conf , Orlando, FL, http://www.iitsec.org/
Apr 23-26, 2007	14th International Symposium on Aviation Psychology (ISAP) , Dayton, OH, http://www.wright.edu/isap/ Southern Ohio Chapter is one of the local meeting hosts!!!!
Jul 22-27, 2007	12th Intern Conf on Human-Computer Interaction , Beijing China, http://www.hcii2007.org/

SOH Chapter Info

SNAIL MAIL: Southern Ohio Chapter HFES, P.O. Box 31052, Dayton, OH 45437-0052

WEB SITE: <http://www.cs.wright.edu/sochfes/> — Includes Membership Application!!!

Executive Council

President	Tim Barry	255-8848	timothy.barry@wpafb.af.mil
Secretary	Mary Wesler	427-0252 ext 136	mary.wesler@udayton.edu
Treasurer	John Reising	255-8769	john.reising@wpafb.af.mil
President-Elect	Laura Militello	229-2287	militello@udri.udayton.edu
Secretary-Elect	Kristen Liggett	255-8251	kristen.liggett@wpafb.af.mil
Treasurer-Elect	Chris Hale	431-4376	halec@saic.com
Past-President	Gloria Calhoun	255-3856	gloria.calhoun@wpafb.af.mil
Past-Secretary	Becky Singer	255-5431	becky.singer@wpafb.af.mil
Past-Treasurer	Scott Galster	255-8737	scott.galster@wpafb.af.mil
Program Chair	Greg Barbato	255-6670	gregory.barbato@wpafb.af.mil
Webmaster	Jesse Walker	229-4235	jesse.walker@notes.udayton.edu
Newsletter Editor	Gloria Calhoun	255-3856	gloria.calhoun@wpafb.af.mil



Southern Ohio Chapter (SOH)
Human Factors and Ergonomics
Society (HFES)
 P.O. Box 31052
 Dayton, OH 45437-0052

Membership Form: Application, Renewal, and Update

DIRECTIONS:

- To apply for new membership, fill all blocks, including those on the back of this form.
- To renew membership, fill first block only.
- To update directory information, fill first block and indicate changes in other blocks as appropriate.

PLEASE TYPE OR PRINT CLEARLY!!
 Send completed form and payment to address on the left.

Name:		YEAR
	First name or initial, middle name or initial, last name.	200__

Employer Address:	Company	
	Street	
	City	
	State/Zip	OH
	Phone	

Home Address:	Street	
	City	
	State/Zip	OH
	Phone	

Email Address:	Work:
Optional: Home email:	
Personal Website:	
Work/Company/Organization Website:	
Personal (resume) Website:	

Preferred Mailing Address:	<input type="checkbox"/> Work	<input type="checkbox"/> Home
Preferred Phone:	<input type="checkbox"/> Work	<input type="checkbox"/> Home
Preferred Email:	<input type="checkbox"/> Work	<input type="checkbox"/> Home
Send Email Meeting Reminders:	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Membership Status:	HFES	<input type="checkbox"/> Member	<input type="checkbox"/> Associate	<input type="checkbox"/> Affiliate
		<input type="checkbox"/> Fellow	<input type="checkbox"/> Not a member	<input type="checkbox"/> Student
	SOH	<input type="checkbox"/> Member	<input type="checkbox"/> Associate	<input type="checkbox"/> Student
(Membership categories on back.)		<input type="checkbox"/> Honorary	<input type="checkbox"/> New	

Willing to Consult?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
----------------------------	------------------------------	-----------------------------

Degree(s) , Major, College, Year:
(maximum of two)

Work Specialties/Interests:

<i>Office Use</i>	Date paid: ___/___/___	Amount paid \$ _____	Check # _____	Dues for 200 _____
-------------------	------------------------	----------------------	---------------	--------------------