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Message from the Chair
By Ann Bisantz, Ph.D.
CEDM Technical Group Chair

Welcome to the CEDM technical group, version 2012! On behalf of the other officers, we’d like to thank you all for taking the time to participate in the elections last year (particularly, the special election for our new position, CEDM chair-elect Ellen Bass); for attending the business meeting in Las Vegas last fall; for volunteering to review for the annual meeting (a service our dedicated program chairs Jennifer Ockerman and Karen Feigh value greatly), for submitting your work to the conference, and finally, for maintaining your membership and intellectual and financial support of CEDM (thanks Mark Pfaff, Secretary-treasurer, for organizing and keeping the finances on track).

While the program at the annual meeting is the largest and most visible project of the technical group, there are other ongoing and planned activities that we hope you will take advantage of, including:

Networking and discussions through the CEDM LinkedIn group and Facebook Group (thanks to Electronic Communications Director Farzan Sasangohar)
Opportunities to publicize your work through the twice-annual newsletter (thanks to Newsletter Editor Lisa Jo Elliott). You may email her at: ljelliott@poly.usf.edu.

NEW – a student subgroup of CEDM LinkedIn to provide networking, research support, and continued conversations among students all over the world (thanks to Student Affairs Officer Miranda Cornelissen for launching and coordinating this group)

PLANNED – CEDM themed webinars (thanks to Farzan for instigating)

I hope that in the next two years CEDM can continue to reflect the multidisciplinary, domain based work that has characterized so much of the past research in the field, along with continuing to develop and refine the methods and analytical techniques that have made CEDM so broadly useful across real world environments. The TG is here to support your efforts in research and practice. Please let us know how we can help!

Sincerely,
Amy Bisantz - CEDM Chair

Annual Meeting Call for Proposals

A reminder that next year’s annual meeting proposal upload deadline will be March 19, 2012, with the full proceedings papers due July 16, 2012. We would love to have lots of proposals submitted in all categories (lecture, poster, demonstration, panel discussion, invited symposium, and other new ideas). This also means that reviewers will be needed again. Please consider donating some of your time to help us review the many entries. There is an article on pages 3 and 4 with the details. If you have any questions during the process, please let us know. We look forward to another great annual meeting program for CEDM!

Jennifer Ockerman – Program Chair,
[jennifer.ockerman@jhuapl.edu](mailto:jennifer.ockerman@jhuapl.edu)

Karen Feigh – Program Chair Elect
[kfeigh@isye.gatech.edu](mailto:kfeigh@isye.gatech.edu)

Visit the CEDM website to view announcements, job postings, newsletters, and more!
[http://tg.hfes.org/cedm](http://tg.hfes.org/cedm)

Please also visit (and join!) the CEDM-TG on LinkedIn -
**A LOOK AHEAD TO THE 56TH ANNUAL MEETING IN BOSTON, OCTOBER 22-26**

**HFES, Member Services Department**

The Human Factors and Ergonomics Society invites members and non-members to submit proposals for the HFES 56th Annual Meeting, which will take place October 22-26, 2012, at the Westin Boston Waterfront Hotel in Boston, Massachusetts. Case studies, debates, demonstrations, competitive product designs, new methodologies, and posters are welcome. Feel free to forward this information to interested colleagues. Before submitting your work, please review the complete [Call for Proposals](http://www.hfes.org/web/HFESMeetings/2012annualmeeting.html).

The deadline for submitting any type of proposal is 5:00 p.m. Pacific time on Monday, March 19, 2012.

Papers that have been published previously or presented at another professional meeting may not be submitted. All research and analyses described in a proposal must be complete when the proposal is submitted. Program chairs may reject, with or without review, papers that do not present completed work. The sole exception to this policy is for student work submitted for consideration in the Student Forum track, in which case the proposer may report on work in progress. Note that for all accepted submissions, one of the authors must attend the meeting to present. Presenters are required to pay the meeting registration fee. For regular updates on the 2012 Annual Meeting, be sure to bookmark [http://www.hfes.org/web/HFESMeetings/2012annualmeeting.html](http://www.hfes.org/web/HFESMeetings/2012annualmeeting.html) and check back regularly.

Questions about submissions? Contact Communications Director Lois Smith at [ljs@hfes.org](mailto:ljs@hfes.org) or [310-394-1811](tel:310-394-1811).

**2011 CEDM TG Annual Meeting Scavenger Hunt Winners**

From left to right: Michael Champion (Arizona State University); Zarrin Chau (Georgia Tech); Jenny Pray (University of Virginia) and Thomas Fincannon (University of Central Florida)

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**ANNUAL STUDENT PAPER AWARD WINNERS FOR 2011**

1st place went to Molly Liechty and co-author Poornima Madhavan (Old Dominion) for – “An Eye Movement Analysis of Contextual Cueing Effects” [http://pro.sagepub.com/content/55/1/222.full.pdf+html](http://pro.sagepub.com/content/55/1/222.full.pdf+html)

2nd place went to Ryan McKendrick and co-authors Tyler Shaw, Haneen Safer, Ewart de Visser and Raja Parasuraman (George Mason) for – “Team Performance and Communication within Networked Supervisory Control Human Machine Systems” [http://pro.sagepub.com/content/55/1/262.short](http://pro.sagepub.com/content/55/1/262.short)

3rd place went to Anita Vuckovic and co-authors- Peter Kwantes and Andrew Neal (The University of Queensland) for – “A Model of Dynamic Decision Making in Air Traffic Control”. [http://pro.sagepub.com/content/55/1/330.short](http://pro.sagepub.com/content/55/1/330.short)

To download the papers, please log into [www.hfes.org](http://www.hfes.org).

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**EDUCATION TECHNICAL GROUP CALL FOR PAPERS**

By Esa M. Rantanen, esa.rantanen@rit.edu

As the program chair of the Education Technical Group (ETG) of HFES this year, I am following up on the call for papers for the 56th HFES Annual Meeting to encourage you to submit innovative, good quality papers to this year’s ETG program.

For those who are interested in sustaining the growth and ensuring the relevance of our profession, ETG is one of the most critical technical groups of HFES. We can promote this cause through a large, high-quality technical program at the HFES annual meeting.

In addition to submissions on a wide range of interesting topics, and in particular demos, workshops, and other nontraditional presentations, please consider the following three specific topic areas:

1. How to develop and evaluate university curricula for future HF/E professionals to best match the changing HF/E problems, work environments, and career paths. If you work in academia as a program coordinator or have other experience in curriculum design, this would be a great opportunity to share your success stories and best practices for others to build on. Or, if you are an employer, you could offer your expert insights into the
educational requirements for the next generation of HF/E professionals.

(2) How to introduce HF/E content into the curricula of other academic majors, certainly including all engineering and design fields, but also majors for decision-makers who may one day set policies affecting HF/E research and practice. Do you have innovative ideas for promoting HF/E in areas or disciplines where it is met with skepticism and resistance? Share your ideas here!

(3) How to educate the general public and K-12 levels about the contributions of HF/E in all aspects of life to entice more students to enroll in HF/E programs in college. This is an area that has not received the attention it deserves, and papers that describe best practices and demonstrated successes would surely be put to a good use by many of our members.

I would like to have a dedicated session for each of the above topics in addition to other ETG sessions. Please contact me if you have any questions about this year's program or suggestions for its improvement. I look forward to receiving a large number of top-notch submissions by March 19. Thank you for your consideration. Esa M. Rantanen, esa.rantanen@rit.edu

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**Student Section**

The CEDM TG has launched a subgroup of its LinkedIn page for the students in our TG.

The subgroup is open to students only. The aim is to create a platform where students can network, discuss and procrastinate in between Annual Meetings in a non-threatening way. The subgroup will serve as an online community where members can freely discuss their work, their progress, challenges and celebrate milestones. Members can also discuss and ask questions about a topic, a paper they have read, methods, or just ask others for advice on how to get through grad school. We will be hosting a forum, reading list, work spaces and webinars. Now is the time to start networking to make friends and get some feedback on your abstract in preparation of the Annual Meeting in Boston!

*Miranda Cornelissen – Student Affairs Officer CEDM TG*

*Any questions, feel free to contact me:* [mailto:miranda.cornelissen@monash.edu](mailto:miranda.cornelissen@monash.edu)

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**Reviewers Needed.**

*Jennifer Ockerman and Karen Feigh*

Please volunteer to review for the Cognitive Engineering and Decision Making Technical Group (TG) in order to maintain the high quality at the annual meeting.

HFES’s 56th Annual Meeting will take place at the Westin Boston Waterfront, Boston, Massachusetts, October 22-26, 2012.

The online submission/review site is open at: [https://www.hfes.org/Web/HFESMeetings/2012annualmeeting.html](https://www.hfes.org/Web/HFESMeetings/2012annualmeeting.html) and all proposals are due March 19, 2012. Reviews must be completed no later than April 23, 2012. This is a hard deadline, we need to get the accept/rejects back to the authors by May 14.

Please be aware that the old reviewer database has been removed so we really need you to respond. We need the following information:

- name,
- affiliation,
- contact email, and
- status as student or non-student.

Please also be aware that we prefer to assign 3 reviewers per submission and generally have over 100 submissions, so we really need everyone's help. If everyone who plans to be an author or co-author agrees to review plus some others also volunteer, then each reviewer's load will be low.

In addition, feel free to send us names of colleagues who might be qualified to review proposals for the meeting, or ask them to forward a message to us.

Once you have confirmed your willingness to review and we update the reviewer list, HFES will send you a link to log in to the online submission/review site to update your contact information and to select/update your expertise areas. This will help to ensure that proposals we assign to you match your expertise areas as closely as possible and that e-mails containing your review assignments reach you without delay.

Please be aware that automated messages from the online submission/review site will be coming from Mirasmart.com. Please make any necessary adjustments to your e-mail program or firewall to ensure that messages from this domain come through.

We would appreciate comments in each proposal that you review. Your unattributed comments and
suggestions for improvement will be forwarded to the proposers when we send acceptance and rejection letters.

We would also be interested in your program ideas and suggestions including but not limited to people for invited addresses, groupings of papers, and timely topics we should cover.

Your name will be included in the acknowledgments to 2012 reviewers in the proceedings. If you do not wish to be included, please let us know.

To volunteer, you only need to send an email to [hfes.cedm.tg.reviewers@gmail.com](mailto:hfes.cedm.tg.reviewers@gmail.com) as that is where we are gathering the list of reviewers.

Looking forward to a great annual meeting!

Jennifer Ockerman and Karen Feigh
CEDM program chair and program chair elect

**NEW PROGRAMS**

Michigan Tech- Applied Cognitive Science & Human Factors (MS, PhD)

Michigan Tech offers MS and PhD degrees in Applied Cognitive Science and Human Factors (ACSHF) with expertise in the areas of cognitive engineering and decision making, individual differences in human performance, physical ergonomics, human-centered design, and educational technology.

This interdisciplinary program, offered by the Department of Cognitive and Learning Sciences, integrates the knowledge of psychologists, engineers, computer scientists, and usability specialists in an effort to optimize the performance, health, and safety of human-technological systems. This research-intensive PhD program provides a strong scientific foundation in cognitive science and human factors, with an emphasis on bridging applied and basic approaches to research.

Human factors is a scientific discipline concerned with understanding the abilities, characteristics, needs, and limitations of human beings and their influence on interactions with sociotechnical systems. Applied cognitive science is the interdisciplinary study of how to improve information processing in minds and machines. The goal of this program is to develop scholars and practitioners capable of improving the performance of sociotechnical systems through instructional and technological design. To learn more, visit [www.psych.mtu.edu/grad](http://www.psych.mtu.edu/grad).

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**HUMAN FACTORS AND APPLIED PSYCHOLOGY STUDENT CONFERENCE**

Elizabeth Blickensderfer, Ph.D.

Over the past 5 years, the Human Factors and Applied Psychology student conference has become a respected event in the Southeastern United States. With attendees coming from farther away each year, the diversity of students and presentations continues to grow each year.

For most students, the notion of presenting at a professional conference for the first time seems quite challenging. HFAP offers a friendly and constructive environment for students to present their research and receive professional advice and counsel, prior to presenting at a professional meeting such as HFES.

Past keynote speakers include Dr. Scott Shappell and Dr. Frank Durso, and attendees have represented a variety of universities in Florida and Alabama, as well as West Point Military Academy.

This year’s conference is on Thursday April 5th 2012 and will be once again hosted by Embry-Riddle Aeronautical University in sunny Daytona Beach FL. Our keynote speaker is Dr. John Flach, Chair and Professor of Psychology at Wright State University. Awards will be given to the best undergraduate paper ($100), the best graduate paper ($100), and the best overall paper ($150). Abstracts are due on February 19th. You can submit your abstract online and find more information at [www.hfapconference.com](http://www.hfapconference.com).

Antoine D. Juhel
HFAP Student Chair [antoinejuhel@me.com](mailto:antoinejuhel@me.com)

Elizabeth Blickensderfer, Ph.D.
HFAP Faculty Chair, [elizabeth.blickensderfer@erau.edu](mailto:elizabeth.blickensderfer@erau.edu)

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**ACM TRANSACTIONS ON INTERACTIVE INTELLIGENT SYSTEMS SPECIAL ISSUE: HUMAN DECISION MAKING AND RECOMMENDER SYSTEMS**

Submissions due February 29, 2012

A primary function of recommender systems is to help people make good choices and decisions. But in research on recommender systems, surprisingly little attention has been devoted to the decision making processes of users. Instead, it has focused mainly on (a) ways of eliciting and modeling users’ preferences and (b) algorithms for
identifying items that a user is likely to evaluate positively. Even systems that do explicitly aim to support the decision making process could benefit from greater use of knowledge about human decision making. And the growing amount of research on users’ interaction with recommender systems, which aims to enhance their usability and acceptance, can be expanded to consider support for specific aspects of decision making.

This special issue will highlight research that explicitly considers ways in which an understanding of human choice and decision making can benefit research and practice on recommender systems. The dimensions listed on our website indicate the range of work that is relevant to the special issue. In case of doubt about the relevance of your topic, please contact the special issue associate editors.

http://tiis.acm.org/special-issues.html

CALL FOR PAPERS: INTERNATIONAL OCCUPATIONAL ERGONOMICS AND SAFETY CONFERENCE

Submissions due March 16, 2012
June 7-8, 2012, Sheraton Ft. Lauderdale Airport & Cruise Port Hotel, Fort Lauderdale, Florida, USA
Please e-mail an abstract of about 300 words stating the topic area by March 16, 2012 [mailto:isoes@iia-inc.com]. All abstracts and papers submitted for publication in the Conference proceedings will be reviewed by the International Program Advisory Committee. Authors will be notified of acceptance by March 29, 2012. Full papers and conference registration will be due by April 30, 2012.

For more information: [http://isoes.info/conference.htm](http://isoes.info/conference.htm)

NEWLETTER SUBMISSIONS

Submissions requested by July 15, 2012
The newsletter editor is accepting submissions for the summer newsletter. Submission items could be new programs for students; calls for papers; related conferences, awards, new labs, job announcements, or items related to the Annual Meeting. Items will be included as space permits- this usually includes everything I can find. If you have something important to share, don’t keep it to yourself! Please let me know by sending it to: [mailto:ljelliott@poly.usf.edu](mailto:ljelliott@poly.usf.edu)

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Cognitia is published by the CEDM-TG of the Human Factors and Ergonomics Society. For membership information, see the HFES website at hfes.org. Questions, comments, or submissions for publications in this newsletter should be directed to the newsletter editor.

T.G Officers
Technical Group Chair
Amy Bisantz
Associate Professor, Industrial Engineering
University of Buffalo, Buffalo, NY, USA

Technical Group Chair Elect
Ellen Bass
Associate Professor, Systems and Information Engineering
University of Virginia, Charlottesville, VA, USA

Program Chair
Jennifer Ockerman
Johns Hopkins University Applied Physics Laboratory, Laurel, MD, USA

Program Chair Elect
Karen Feigh
Assistant Professor, School of Aerospace Engineering
Georgia Tech, Atlanta, GA, USA

Secretary & Treasurer
Mark S. Pfaff
Assistant Professor, School of Informatics
Indiana University, Indianapolis, IN, USA

Newsletter Editor
Lisa Jo Elliott
Assistant Professor, University of South Florida
Polytechnic, Lakeland, FL, USA

Electronic Communications Director
Farzan Sasangohar
Ph.D. Student, Humans and Automation Lab
Massachusetts Institute of Technology, Cambridge, MA, USA

Student Awards and Affairs Officer
Miranda Cornelissen
Ph.D. Student, Injury Research Institute
Monash University, Victoria, Australia