



Children's Issues Technical Group

Newsletter 02 [Oct 2017]



Human Factors and
Ergonomics Society

Our purpose

The Children's Issues Technical Group (CITG) consists of individuals interested in research, design, and applications concerning human factors and ergonomics (HFE) issues related to the children's emerging development from birth to adulthood including their caregivers.

Example application areas include injury prevention, product usability, physical and cognitive maturation, mental workload and decision-making, in home, school, work, recreation, and vehicle environments.

One of the goals of the CITG is to keep members informed of current issues and developments in the area through its newsletter and its technical sessions at the annual HFES meeting. The group also maintains, through activities of its members, relationships with other safety organizations and standards-making bodies.

MEMBERSHIP

The CITG consists of individuals who work in various areas pertaining to children's issues. The CITG seeks to foster the exchange of information among members and to promote the development and application of human factors data and principles to improve children's HFE. Although most CITG members are also members of the Human Factors and Ergonomics Society, CITG membership may be obtained separately as well.

Additional information on the CITG can be obtained by contacting HFES.

Children's Issues TG during HFES 2017

Join us at two sessions and the Arnold Small Lecture!



K1 - Children's Issues Lecture Session | Lecture
Tuesday, October, 3:30 PM - 5:00 PM
Chair: Karen Jacobs

K2 - Adult Products That Kill and Injure Children | Discussion Panel
Wednesday, October 11, 9:15 AM - 10:45 AM
Chair: Carol Pollack-Nelson

Arnold Small Lecture in Safety
Child Trafficking Risk Indicators and the Human Factors of Prevention
By V. Walker (National Center for Missing & Exploited Children), J. Rodriguez (Texas Office of Attorney General's Child Exploitation Unit).
Wednesday, October 11, 2:00 PM - 3:30 PM
Chair: Tonya Smith-Jackson

NEWS

App Concept Tackles Medication Reminders for Children With Chronic Diseases

As many as 19 million U.S. children suffer from at least one chronic medical condition such as ADD/ADHD, asthma, or depression. Building a habit of strict medication adherence from a young age is crucial for preventing lifelong negative health consequences. However, children's stage of cognitive development, combined with varying degrees of family support, means that a proper regimen is not always followed.

Paul Barclay, a human factors psychology doctoral student at the University of Central Florida and winner of the Human Factors and Ergonomics Society's 2017 "Mobile Health Applications for Consumers" Design Competition, sought to address this issue by designing a prototype smartphone app to help children develop proper medication habits.



**Human Factors
and Ergonomics
in Health Care**
March 5-8, 2017

Although basic smartphone applications are a popular intervention for improving medication practices among adults, none is geared toward the younger market despite the fact that 75% of children report that they regularly use smartphones to surf the Internet or play games.

Barclay's prototype app adopts an engaging game-based format to help children learn, retain, and recall the health information provided to them. Caregivers set up the medication schedule, and both parties receive reminders and alerts if doses are missed.

Barclay presented his work at the HFES 2017 International Symposium on Human Factors and Ergonomics in Health Care in March in New Orleans. The design competition showcased application of human factors/ergonomics methods and principles in the concept and design of useful and usable smartphone health apps for consumers or their nonprofessional support network. Read more at <https://hfes.org/Web/DetailNews.aspx?id=440>

Source: *Human Factors and Ergonomics Society, 2017*

Mark your calendar...HFES Meeting in 2018

2018 International Annual Meeting, Philadelphia
Marriott, Philadelphia, Pennsylvania, USA,
October 1-5, 2018

"Call for Papers" are open for IEA 2018



The 20th International Conference of the International Ergonomics Association (IEA) 2018 to be held at Palazzo dei Congressi, Firenze, Italy, August 26-30, 2018.

The Italian Society of Ergonomics (SIE) is pleased to host the 20th international IEA conference. Human factors and Ergonomics, is the scientific discipline that seeks to understand and improve human interactions with products, equipment, environments and systems. Drawing upon human biology, psychology, engineering and design, Ergonomics aims to develop and apply knowledge and techniques to optimize system performance, whilst promoting the health, safety and well-being of individuals involved. The attention of Ergonomics extends across work, leisure and other aspects of our daily lives.

Deadline submissions:

16 October 2017
Special Sessions, Workshops and Short Courses
30 November 2017
Abstracts and Symposia
30 December 2017
History and Stories of Human factors

**Check complete calendar and information at
<http://iea2018.org>**

Do you know that IEA has a Technical Committee related to Children's issues?

Ergonomics for Children and Educational Environments

The purpose of the EECE TC is to provide a forum for the international exchange of scientific and technical ergonomics information related to children and educational environments.

The Committee promotes professional and public awareness of ergonomics related to children of all abilities in all aspects of their lives and the application of ergonomics in all educational environments.

Contact Prof. Lawrence Shultz for more information or to join this Technical Committee by email: LJSchultz@Central.UH.EDU or visit <http://www.iea.cc/EECE/objectives.html>

NEWS

Some papers published about Children's safety in the first semester 2017

Building trust in children. How parents talk to children about safety precautions in Sweden

Nicole E Rader

International Review of Victimology 2017, Vol. 23(1) pp. 3-16.

Child Passenger Safety Technician Consultation in the Pediatric Primary Care Setting

Dina Burstein, Mark R. Zonfrillo, Janette Baird, Michael J. Mello.

Clinical Pediatrics 2017, Vol. 56(10) pp. 928-933.

Children's lived citizenship: A study on children's everyday knowledge of injury risks and safety

Åsa Olsson

Childhood 2017, Volume 24, Issue 3, August 2017. pp. 1-14.

Measuring Sustained Attention and Perceived Workload. A Test With Children

Cynthia Laurie-Rose, Lori M. Curtindale, Meredith Frey
HUMAN FACTORS Vol. 59, No. 1, February 2017, pp. 76-90.

More a marathon than a hurdle: towards children's informed consent in a study on safety

Tim P Moore, Morag McArthur, Debbie Noble-Carr
Qualitative Research. Volume 17, Issue 2, April 2017. pp. 1-20.

Simulating "Peripheral Harm" as an AMBER Alert Issuance Criterion: Implications for Anticipating Threats to Child Safety

Joshua H. Williams, Timothy Griffin, Danielle Miller, John Wooldredge

Criminal Justice Policy Review 2017, Vol. 28(7) pp. 669-686.

Stories of Innovation: Collecting Real-Time Outcomes Data for Injury Prevention

Participants in the Child Safety Collaborative Innovation and Improvement Network (CS CollIN) are identifying and developing innovative ways to collect real-time outcomes data. Typically, data on injury-related deaths, hospitalizations, and emergency department (ED) visits are centrally collected at the state level. On an annual basis, these data are cleaned by the state, released, and submitted to a national dataset. The cleaning and release process leads to a two-year or more delay in the availability of the data.

However, because states centrally collect and house the data, there are opportunities for innovation in using real-time data. Some states in the CS CollIN are now able to collect and report real-time data on injury-related deaths, hospitalizations, and ED visits, enabling them to incorporate this information into their injury prevention efforts.

Check complete document at our website.

Source: *Children's Safety Network, 2017*

Your participation is welcome!

Council of Technical Groups (COTG), which approved the establishment of the Children's Issues Technical Group (CITG) wanted the group to consider a different name of the TG. You can contribute submitting **alternative possible names** to our **Chair, Shelley Deppa, sdeppa@safetybehavior.com until December 31, 2017**