



# Children's Issues Technical Group

## Newsletter 04 [Oct 2019]



**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.

Joining CITG costs only \$5.00 USD/year. You do not have to be a member of HFES in order to be a member of CITG, though we encourage society membership. Additional information on the CITG can be obtained by contacting HFES.

### Children's Issues TG during HFES 2019



This year CITG has one session during HFES 2019, Tuesday, October 29, 2:00-3:30 pm. We'll share ideas during the presentation of the following papers:

1. Ergonomics in Elementary School: A Multi-faceted Approach for laptop Computers in the Classroom, by M. Afterman.
2. A Human Factors Approach to Central Line Associated Bloodstream Infection (CLABSI) Prevention and Safety Culture in the Pediatric Intensive Care Unit Pilot Report, by N. Bishop, S. Osorio, R. Zadeh, E. Capezuti, J. Lee.
3. Developing an Interactive Survey Instrument to Capture Hospitalized Children's Experience, by H. Ali, A. Cole, A. Sienkiewicz, M. Hossain, T. Ho
4. Falls From Shopping Carts Versus Household Products Among Young Children, by F. Khan, K. Glazek, J. Todd, S. Alper.
5. An Investigation of the Portrayal of Blue Whale Challenge on Youtube and Twitter, by A. Khasawneh, K. Chalil Madathil, E. Dixon, P. Wisniewski, H. Zinzow, R. Roth.

## Business Meeting

CITG will be holding a joint business meeting with EDTG on Wednesday, October 30, 05:30 - 06:15 pm. TGs will receive *Dr. Amy Wagenfeld* as keynote speaker, presenting for 20-30 minutes on Sensory gardens for children with ASD for Kids Gardening and National Head Start. Prof. Karen Jacobs will moderate the discussion. After the presentation, each TG will hold their separate annual business meetings.

*We invite members to submit articles, comments, and relevant research references for inclusion in the website and newsletter! Send your contributions to [citg.hfes@gmail.com](mailto:citg.hfes@gmail.com)*

## NEWS

***Special issue on children's issue for the journal, WORK: A Journal of Prevention, Assessment & Rehabilitation. Submit your paper!!***

A special issue on children's issue is planned for the journal, *WORK: A Journal of Prevention, Assessment & Rehabilitation*. The due date for the submission of manuscripts is February 1, 2020.

Manuscripts must be written in English. Authors whose native language is not in English are recommended to seek the advice of a native English speaker, if possible, before submitting their manuscripts. Please use person first language; that is a person with an injury, not an injured person.

Manuscripts should be typed on one side of the paper only, with wide margins and double spacing throughout. For the electronic file of the text you may use any standard word processor. Do not use page layout software and do not send PostScript files of the text. The preferred length of a manuscript is 20-30 pages double spaced (not including references, tables or figures).

Typically, the journal only publishes data collected within the past 5 years. Include the degree to which your paper builds on and advances on knowledge published within *WORK*.

For detailed instructions please refer to our website on the Internet, [www.iospress.nl](http://www.iospress.nl)

**Authors are requested to submit their manuscript electronically to [workjacobs@gmail.com](mailto:workjacobs@gmail.com)**

## ***U.S. Department of Transportation Announces \$1.8 Million to Enhance Highway Safety***

The U.S. Department of Transportation's National Highway Traffic Safety Administration today announced \$1.8 million in funding - with eligibility for up to \$6.4 million in the future - to provide critical support for five non-governmental partner organizations to enhance safety on the nation's highways. The agreements will fund projects to combat impaired driving, support the 911 network, enhance safety messaging for young drivers, and give technical assistance to state officials on a wide range of traffic safety issues.

"This funding will help NHTSA and our partners improve highway safety for all, and will provide critical leadership for reducing the incidence of driving under the influence of drugs and alcohol," said James Owens, Acting Administrator of NHTSA. "Together with our partners, we can create change and make traveling safer for everybody."

For more information check <https://www.nhtsa.gov/press-releases/us-department-transportation-announces-18-million-enhance-highway-safety>

## ***Child Passenger Safety Week was September 15-21***

Every day across America, parents and caregivers drive young children to and from school, daycare, the store, and around town in car seats and boosters. Yet nearly half of all car seats are installed incorrectly, which means your child may not be traveling as safely as possible.

To help keep children safe on our roads, NHTSA sponsored Child Passenger Safety Week from September 15-21, 2019. The goal is to make sure your child is in the correct car seat, that it's properly installed and used, and that it's registered with its manufacturer to ensure you receive important safety updates.

Car seats and boosters are one of the easiest ways to keep your child safe and, when installed correctly, car seats can reduce the risk of fatal injury in a crash by 71% for infants and by 54% for toddlers. Unfortunately, many parents install their child seats incorrectly. Among children under 5, an estimated 325 lives were saved in 2017 alone because they were properly buckled, but an additional 46 children could have been saved if every child was properly buckled.

Vehicle crashes are a leading cause of death for children. From 2013 to 2017, there were 3,313 children under 13 killed while riding in passenger vehicles – 2017 was the first yearly decrease since 2014. But, about 37% of those children killed in 2017 were not buckled at all – these deaths are preventable.

For more information check <https://www.nhtsa.gov/car-seats-and-booster-seats/child-passenger-safety-week>.

### ***Some research articles published about Children's safety in 2019***

Harazneh, L. and Hamdan-Mansour, A. (2019) Resiliency Process and Political Socialization among Palestinian Children Exposed to Political Traumatic Experience: An Integrative Review. *Open Journal of Nursing*, 9, 303-312. <https://doi.org/10.4236/ojn.2019.93029>.

Hoynes, Hilary and Stabile, Mark, (2019) "How Do the US and Canadian Social Safety Nets Compare for Women and Children?," *Journal of Labor Economics* 37, no. S2 (July 2019): S253-S288. <https://doi.org/10.1086/703260>.

Lichenstein, Richard; Monroe, David; Quayle, Kimberly S. et al. (2019) Television-Related Head Injuries in Children. A Secondary Analysis of a Large Cohort Study of Head-Injured Children in the Pediatric Emergency Care Applied Research Network. *Pediatric Emergency Care*: November 6, 2015 - Volume Publish Ahead of Print. doi: 10.1097/PEC.0000000000000605.

Mangelsdorf, Shaminka N; Mehl, Matthias R. et al. How Do Mothers and Fathers Interact With Their Children After An Injury? Exploring the Role of Parental Acute Stress, Optimism, and Self-Efficacy. *Journal of Pediatric Psychology*, 44(3), 2019, 311-322 doi: 10.1093/jpepsy/jsy107.

O'Toole, Sarah E. & Christie, Nicola (2019) Educating parents to support children's road safety: a review of the literature, *Transport Reviews*, 39:3, 392-406, DOI: 10.1080/01441647.2018.1499678.

Peyravi, Golnaz , Joya, Mohammadreza , Vafaeinezhad, Reza. (2019) Epidemiologic study of drowning in Mashhad during 2014- 2017. *Injury & Violence*. Volume 11, Suppl. 1 July 2019 Publisher: Kermanshah University of Medical Sciences.

Stockwell, David C; Landrigan, Christopher P., Toomey, Sara L. et al. (2019) Racial, Ethnic, and Socioeconomic Disparities in Patient Safety Events for Hospitalized Children. *HOSPITAL PEDIATRICS* Vol. 9 No. 1 January 01, 2019, pp. 1-5, doi:10.1542/hpeds.2018-0131.

van der Hulst M, Bertens LCM, de Graaf H, Steegers EAP. (2019) Sufficient exercise: mother's perceptions on neighbourhood safety and quality of outdoor playgrounds in Rotterdam. *International Journal of Integrated Care (IJIC)*. 2019;19(S1):1-2. doi:10.5334/ijic.s3063.

Willoughby, Mark (2019) A review of the risks associated with children and young people's social media use and the implications for social work practice, *Journal of Social Work Practice*, 33:2, 127-140, DOI: 10.1080/02650533.2018.1460587.

Yeshayahu Hutzler, Stefan Meier, Sabine Reuker & Michelle Zitomer (2019) Attitudes and self-efficacy of physical education teachers toward inclusion of children with disabilities: a narrative review of international literature, *Physical Education and Sport Pedagogy*, 24:3, 249-266, DOI: 10.1080/17408989.2019.1571183.

***Mark your calendar...HFES Meeting in 2020***

***64rd International Annual Meeting,  
Hyatt Regency Chicago  
Chicago, Illinois, USA,  
October 5 - 9, 2020***