

67th Annual Meeting

# HUMAN FACTORS AND ERGONOMICS

Computer Systems Technical Group

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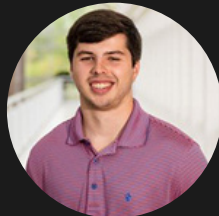
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## About Us

The Computer Systems Technical Group is concerned with human factors in the design of computer systems. This includes the user-centered design of hardware, software, applications, documentation, work activities, and the work environment.

## This issue

- HFES Computer Systems Program



# Computer System Technical Group Program

Day 1

MONDAY - OCTOBER 23, 2023

Time	Session	Location
5:00pm - 6:00pm	Opening reception	International terrace
6:00pm - 7:00pm	Awards ceremony	International ballroom center
7:45pm - 8:30pm	Closing reception	International terrace

Day 5

FRIDAY - OCTOBER 27, 2023

Time	Session	Location
10:30am - 12:00pm	<b>Lecture:</b> Human-computer interaction and design	Georgetown east
10:30am - 10:45am	<b>Lecture:</b> Levels of Digitization, Digitalization, and Automation for Advanced Reactors <b>Authors:</b> Ronald Boring <sup>1</sup> , Dr. Thomas Ulrich <sup>1</sup> , Roger Lew <sup>2</sup> <b>Affiliation:</b> 1) Idaho National Laboratory, 2) University of Idaho	Georgetown east





# Computer System Technical Group Program

Day 5

FRIDAY - OCTOBER 27, 2023

Time	Session	Location
10:45am - 11:00am	<p><b>Lecture:</b> A Comparison of Three Types of Computer-based Procedures: An Experiment Using the Rancor Microworld Simulator</p> <p><b>Authors:</b> Dr. Anna Hall<sup>1</sup>, Dr. Ronald Boring<sup>1</sup>, Dr. Thomas Ulrich<sup>1</sup>, Dr. Roger Lew<sup>2</sup>, Michelle Velazquez<sup>3</sup>, Jinding Xing<sup>4</sup>, Timothy Whiting<sup>5</sup>, Georgios Makrakis<sup>2</sup></p> <p><b>Affiliation:</b> 1) Idaho National Laboratory, 2) University of Idaho, 3) Idaho State University, 4) Carnegie Mellon University, 5) Brigham Young University</p>	Georgetown east
11:00am - 11:15am	<p><b>Lecture:</b> Effects of a Shoulder-support Exoskeleton on Shoulder Strain during Augmented Reality Interactions</p> <p><b>Authors:</b> Jay Kim<sup>1</sup>, Young-Ku Kong<sup>2</sup>, Sang-Soo Park<sup>2</sup>, Jin-Woo Shim<sup>2</sup>, Kyeong-Hee Choi<sup>3</sup>, Hyun-Ho Shim<sup>2</sup>, Kiana Kia<sup>1</sup></p> <p><b>Affiliation:</b> 1) Oregon State University, 2) Sungkyunkwan University, 3) Korea Institute of Industrial Technology</p>	Georgetown east





# Computer System Technical Group Program

Day 5

FRIDAY - OCTOBER 27, 2023

Time	Session	Location
11:15am - 11:30am	<p><b>Lecture:</b> Investigating the Effect of Interface Type on Embodied Interactions in 3D Gestural Human-Computer Interaction</p> <p><b>Authors:</b> Katherina Jurewicz<sup>1</sup>, Ainsley Kyle<sup>1</sup></p> <p><b>Affiliation:</b> 1) Oklahoma State University</p>	Georgetown east
11:30am - 11:45am	<p><b>Lecture:</b> Transgender Inclusive and Affirming Design in Computing</p> <p><b>Authors:</b> Madison Call<sup>1</sup>, Rod Roscoe<sup>1</sup></p> <p><b>Affiliation:</b> 1) Arizona State University</p>	Georgetown east
11:45am - 12:00pm	<p><b>Lecture:</b> Analyzing Cognitive Load Associated with Manual Text Classification Using Eye Tracking</p> <p><b>Authors:</b> Dr. Gaurav Nanda<sup>1</sup>, Dr. Jeevithashree Divya Venkatesh<sup>1</sup>, Dr. Aparajita Jaiswal<sup>1</sup></p> <p><b>Affiliation:</b> 1) Purdue University</p>	Georgetown east

