



IsraHCI 11th - 2024 Program

Conference Timetable

09:00	09:30	Welcome and Gathering Meeting point: Software Engineering Building Lobby, Software Engineering Building , The Faculty of Engineering, Tel Aviv University	
09:30	10:45	Opening remarks and Keynote Lecture Renana Keydar: Edut 710: Human-Computer Interactions in Building an Archive of October 7th Survivor Testimonies Rozenblatt Hall (Hall 102)	
10:45	11:00	Break	
11:00	12:30	Paper session 1: User Wellness Rozenblatt Hall	Paper session 2: Interfaces & Values Room 104
12:30	14:30	Lunch, demos & posters presentation Rozenblatt Building lobby, Room 106, 107	
14:30	15:45	Paper session 3: Human/AI Interaction Rozenblatt Hall	Paper session 4: Interaction Across Realities Room 104
15:45	16:00	Closing notes and prizes for best demo and best poster Rozenblatt Hall	

Keynote Lecture by Renana Keydar

Edut 710: Human-Computer Interactions in Building an Archive of October 7th Survivor Testimonies

Abstract. Following the events of October 7, 2023, a surge of civilian-led initiatives emerged to document the devastating attacks on southern Israel. By October 11, I joined “Edut 710” (Testimony 710), a grassroots collective of documentary cinematographers and scholars dedicated to recording survivor testimonies. Drawing on my expertise in computational analysis of documentary and legal testimonies, I recognized the need for a digital archiving strategy rooted in the best practices of Digital Humanities (DH). This approach is crucial not only for immediate documentation but also for long-term historical preservation of the memory of these events.

This keynote will focus on three critical aspects of this ongoing effort: Managing a rapidly growing team of volunteers using specifically tailored complex management systems; Building a digital archive for the recorded testimonies amidst ongoing hostilities and continued documentation efforts; and utilizing machine learning and natural language processing (NLP) techniques for gaining new insights through computational analysis of the collection of testimonies. Through this presentation, I aim to share our experiences, challenges, and insights in preserving these crucial testimonies, while highlighting the intersection of human documentation, digital archiving, and computational analysis in times of crisis.

Dr. Renana Keydar is an assistant professor of Law and Digital Humanities at the Hebrew University of Jerusalem. At HUJI, Keydar serves as the academic director of the Center for Digital Humanities DH@HU and heads the Alfred Landecker Lab for the Computational Analysis of Holocaust Testimonies. Keydar is one of the leading members of Edut 710 (Testimony 710) initiative—a grassroots, volunteer-based, civil organization for the documentation of survivor testimony of the October 7, 2023 attack on Southern Israel—where she heads the archive and content department.



Morning Paper Sessions

Session 1: User Wellness

Chair: Hadas Schwartz-Chassidim

1. **Robotic technology for Parkinson's disease: Needs, attitudes and concerns of individuals with Parkinson's disease and their family members. A focus group study.** Azriel Kaplan, Shirel Barkan-Slater, Yair Zlotnik and Shelly Levy-Tzedek
2. **Development of a special Keyboard Application.** Roei Harfi, Elena Chestnov, Hadas Schwartz-Chassidim and Nitzan Cohen
3. **Somaesthetic MeditationWearable: Exploring the Effect of Targeted Warmth Technology on Meditators' Experiences.** Talia Sofia Ezer, Oren Zuckerman, Hadas Erel and Jonathan Giron
4. **Improving Engagement and Efficacy of mHealth Micro-Interventions for Stress Coping: an In-The-Wild Study.** Chaya Ben Yehuda, Ran Gilad-Bachrach and Yarin Udi
5. **The Power of Opening Encounters in HRI: How Initial Robotic Behavior Shapes the Interaction that Follows.** Hadas Erel, Agam Oberlender, Juna Khatib, Noam Freund, Omer Sadeh, Julian Waksberg and Elijia Carsenti

Session 2: Interfaces & Values

Chair: Joel Lanir

1. **Attentiveness: A Key Factor in Fostering Affective and Cognitive Trust with Non-Humanoid Robots.** Adi Manor, Avi Parush and Hadas Erel
2. **File hyper-searching explained.** Ofer Bergman and Noga Dvir
3. **Google It vs. Ask ChatGPT: Impact of Software Developers' Information Search Practices on Organizational Information Security.** Maayan Paz-Hen, Oshrat Ayalon and Joel Lanir
4. **A High Coverage Cybersecurity Scale Predictive of User Behavior.** Yukiko Sawaya, Sarah Lu, Takamasa Isohara and Mahmood Sharif
5. **Strategies of Product Managers: Negotiating Social Values in Digital Product Design.** Eilat Lev Ari, Maayan Roichman and Eran Toch

Posters

1. **The Effect of Virtual Reality Modality on Spatial Learning Characteristics.** Michal Gabay and Tom Schonberg
2. **Classifying interpersonal synchronization states using a data-driven approach: implications for social interaction understanding.** Roi Yozevitch, Anat Dahan and Hila Gvirts
3. **Influences of Robotic Peer Liking on Emergent Leadership.** Elijor Carsenti, Adi Manor, Agam Oberlender, Avi Parush and Hadas Erel
4. **Understanding Walking and Reading with Smart Glasses and Mobile Phones: A Dual-Task Paradigm.** Tal Krasovsky, Joel Lanir, Yasmin Felberbaum Felberbaum and Rachel Kizony
5. **Performing a Task Alongside a Robot: Exploring the Impact of Social Comparison.** Gal Yaar, Agam Oberlender, Nevo Heimann Saadon, Oren Zuckerman and Hadas Erel
6. **Modular Robotic Platform for Evaluating Height Anchoring Effects in a Multi-Robot Environment.** Michael Faber, Andrey Grishko, Julian Waksberg, David Pardo, Tomer Leivy, Yuval Hazan, Emanuel Talmansky, Benny Megidish and Hadas Erel
7. **The Power of Opening Encounters in HRI: How Initial Robotic Behavior Shapes the Interaction that Follows.** Hadas Erel, Agam Oberlender, Juna Khatib, Noam Freund, Omer Sadeh, Julian Waksberg and Elijor Carsenti
8. **Can You Fill Me? a Coffee Machine With Robotic Behavior That Promotes Prosocial Behavior.** Chen Weizman, Adi Gery, Guy Klipshtein, Benny Megidish and Hadas Erel
9. **The Effects of Self-Disclosing in Writing with AI Writing Assistants (vs. Without) on Well-Being.** Atil Mansour, Ofra Amir and Liat Levontin
10. **From HRI to CHI – From a Socially Assistive Robot to a Phone Application.** Liran Kalderon, Azriel Kaplan, Amit Wolfvovitz, Yoav Gimmon and Shelly Levy-Tzedek
11. **Promotion of Communication Among the Autism Spectrum Population Through a Dedicated Application of the Type "Video Visual Scene".** Avigail Shekasta, Hai Elazari, Irina Rabaev and Hadas Chassidim
12. **Modular Robotic Platform for Evaluating Height Anchoring Effects in a Multi-Robot Environment.** Michael Faber, Andrey Grishko, Julian Waksberg, David

Pardo, Tomer Leivy, Yuval Hazan, Emanuel Talmansky, Benny Megidish and Hadas Erel

13. **Deceived By Two Robots: The Impact of Deception by Collaborating Robots on the Overall Perception of Robots.** Nevo Heimann Saadon, Benny Megidish and Hadas Erel
14. **Utilizing Virtual Reality to Explore Citizen Scientist Reporting Decisions and Collective Biases in Biodiversity Monitoring.** Yoav Ofer, Yiftach Nagar, Ofer Arazy, Uri Hertz and Dan Malkinson
15. **Augmented Reality for Enhanced Dim Light Navigation for Users with Low Vision.** Muhammad Haj Ali, Rafael Damouny, Ilan Shimshoni and Sarit Szpiro
16. **Bringing the Sea Back to Life: An Augmented Reality Voyage in a Maritime Heritage Museum.** Julia Sheidin and Naomi Unkelos-Shpigel

Demos

1. **Kitchef: A TUI for Parent-Child Cooking Together.** Noa Morag Yaar, Ofir Sadka, Itay Shatil, Maayan Aharonson, Bar Efrima, Tal Barda, Mira Hayat, Oren Zuckerman and Hadas Erel
2. **Conference break table: visual overview of the conversation dynamics.** Tanya Zhuchenko and Michal Rinott
3. **A Journey Inward: The Somaesthetic Experience of a Heated Walking Carpet.** Tamar Dublin, Talia Sofia Ezer and Oren Zuckerman
4. **A modular bioreactor robotic system, empowering biologists in exploratory experimentation.** Andrey Grishko, Iddo Yehoshua Wald, Ilan Brajzblat, Amber Maimon, and Jonathan Giron
5. **Navigating mazes with clashing senses.** Ariel Kuvatov and Shachar Maidenbaum
6. **How do humans treat augmented reality obstacles?** Ilan Vol and Shachar Maidenbaum
7. **Classifying interpersonal synchronization states using a data-driven approach: implications for social interaction understanding.** Roi Yozevitch, Anat Dahan and Hila Gvirts
8. **Promotion of Communication Among the Autism Spectrum Population Through a Dedicated Application of the Type "Video Visual Scene".** Avigail Shekasta, Hai Elazari, Irina Rabaev and Hadas Chassidim

Afternoon Paper Sessions

Session 3: Humans-AI Interaction

Chair: Osnat Mokryn

1. **AI-Augmented Brainwriting: Investigating the use of LLMs in group ideation.** Orit Shaer, Angel Cooper, Osnat Mokryn, Andrew Kun and Hagit Ben Shoshan
2. **Temporal Aspects of Human-AI Collaborations for Work.** Michal Rinott and Orit Shaer
3. **Generating Global Policy Summaries for Reinforcement Learning Agents Using Large Language Models.** Sahar Admoni and Ofra Amir
4. **Who Made That Decision and Why? Users' Perceptions of Human Versus AI Decision-Making and the Power of Explainable-AI.** Avital Shulner Tal, Tsvi Kuflik, Doron Kliger and Azzurra Mancini

Paper session 4: Interaction Across Realities

Chair: Sarit Szpiro

1. **Improving Obstacle Avoidance and Mobility for Low Vision Individuals Through Augmented Reality.** Lior Maman and Sarit Szpiro
2. **When Vision Lies – Navigating Virtual Environments with Unreliable Visual Information.** Eden Or and Shachar Maidenbaum
3. **Devising a High-Level Command Language for the Teleoperation of Autonomous Vehicles.** Felix Tener and Joel Lanir
4. **Heights of Glory: Design Thinking to Enhance Battle Monuments Visits via Augmented Reality.** Naomi Unkelos-Shpigel