

# IsraHCI 2024 Program

## Conference Timetable

09:00	09:30	<b>Welcome and Gathering</b> Meeting point: Rozenblatt building lobby (Near Hall 102), <a href="#">Software Engineering Building</a> , The Faculty of Engineering, Tel Aviv University	
09:30	10:45	<b>Opening remarks and Keynote Lecture</b> Renana Keydar: Edut 710: Human-Computer Interactions in Building an Archive of October 7th Survivor Testimonies Rozenblatt Hall	
10:45	11:00	Break	
11:00	12:30	Paper session 1: <b>User Wellness</b>	Paper session 2: <b>Interfaces &amp; Values</b>
12:30	14:00	<b>Lunch, demos &amp; posters presentation</b> Rozenblatt Building lobby	
14:00	15:15	Paper session 3: <b>Human/AI Interaction</b>	Paper session 4: <b>Interaction Across Realities</b>
15:15	16:15	<b>Panel: International cooperation through the war</b>	
16:15	16:30	<b>Closing notes and prizes for best demo and best poster</b>	

# 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

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

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.** Elior 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 Elior 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. **Exploration of Visual Qualities for Drones as Emotional Support Companions.** Ori Fartook, Ela Liberman-Pincu, Tal Oron-Gilad and Jessica R. Cauchard
10. **The Effects of Self-Disclosing in Writing with AI Writing Assistants (vs. Without) on Well-Being.** Atil Mansour, Ofra Amir and Liat Levontin
11. **From HRI to CHI – From a Socially Assistive Robot to a Phone Application.** Liran Kalderon, Azriel Kaplan, Amit Wolfvitz, Yoav Gimmon and Shelly Levy-Tzedek
12. **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

13. **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
14. **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
15. **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
16. **Augmented Reality for Enhanced Dim Light Navigation for Users with Low Vision.** Muhammad Haj Ali, Rafael Damouny, Ilan Shimshoni and Sarit Szpiro
17. **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 Gvirtz

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**

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**

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 Shpigel