NOVEMBER 21–22, 2026

5th Eurasian Conference on Human-Computer Interaction

Theme: Human–AI Symbiosis for Learning, Interaction, Ethics, Accessibility, and Collective Intelligence

Hybrid · Istanbul Beykent University – Taksim Campus · İstanbul, Türkiye

2	3	71	4
DAYS	KEYNOTES	PAPERS	HALLS

NOV 21
Opening Program →

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Program →

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Paper Session →

NOV 21

Opening Program

Saturday, November 21, 2026

Opening Ceremony

(09:00 - 11:00)
Adem Çelik Conference Hall

09:00 - 10:00	Registration
10:00 - 10:15	Speech by the Vice-Rector of the Istanbul Beykent University, Prof. Dr. Hamparsun Hampikyan
10:15 - 10:30	Speech by the Dean of the Engineering and Architecture Faculty, Prof. Dr. Bahaddin Sinsoysal
10:30 - 10:40	Speech by the Co-Founder of the HCI-E Conference, Prof. Dr. Kürşat Çağıltay
10:40 - 10:45	Speech by the Co-Founder of the HCI-E Conference, Shamil Humbatov
10:45 - 11:00	Presentation of appreciation plaques

Keynote Speaker 1

11:00 - 11:30

Prof. Dr. Holger Regenbrecht
University of Otago
Aotearoa New Zealand

When Emerging Technologies Are Combined — On Ethics and Pervasive Augmented Reality

Coffee break (11:30-11:45)

11:45 - 13:15 Paper Sessions

Hall 1 · Hall 2 · Hall 3 · Adem Çelik Conference Hall

Browse papers →

Lunch (13:15-14:15)

Keynote Speaker 2

14:20 - 14:50

Asst. Prof. Dr. Bengisu Çağıltay
Media and Visual Arts
Koç University - Istanbul, Türkiye

From Unboxing to Shutdown: Designing the Future of Social Robots in Family Life

15:00 - 17:30 Paper Sessions

Hall 1 · Hall 2 · Hall 3 · Adem Çelik Conference Hall

Browse papers →

NOV 22

Program

Sunday, November 22, 2026

Keynote Speaker 3	10:00 - 10:30	**Asst. Prof. Dr.Polat Göktaş** Computer Science and Engineering Program Sabancı University - Istanbul, Türkiye From Human-Centered AI to Human-AI Symbiosis: Designing Trustworthy, Inclusive, and Responsible Intelligent Systems
Workshop	10:45 - 12:00	**Av. Eda Kurt & Av. Mehmet Serhat Kurt** İnsan–Yapay Zeka Çerçevesinde Hukuki Sınırlar ve Etik İkilemler
10:45 - 12:00	**Paper Sessions** Hall 1 · Hall 2 · Hall 3	Browse papers →
Adem Çelik Conference Hall	12:15 - 12:30	Closing Speech

NOV 21

Paper Session

Saturday, November 21, 2026

11:45 – 13:15

HALL 1

SALON BAŞKANI
Zeynep Altan

Investigation of the Effect of an Extra Robotic Limb on Neuroplasticity
Youness Lahdili, Hakan Yadigar, Emine İrem Tekeli, Aslı Ergün, Kutluk Bilge Arıkan

Visibility of Shared State: A User-Centered Design Case Study of a Multi-Role Mobile Pet Health Application
Nisa Atım, Gülce Kulaksızoğlu, Didem Tufan

From Immersive Practice to Safe Action: A Transfer-Contingency Framework for Construction Safety Training
Shamil Humbatov

Measuring Cognitive Overload and Annotation Efficiency in Open-Source Data Annotation Tools
K M Nafiur Rahman Fuad, Mumtahina Ahmed, Md. Neamul Haque, Nasreen Azad, Muhammad Nazrul Islam

HALL 2

SALON BAŞKANI
Umut Kaya

Beyond Single-Objective Manipulability: A Speed–Force–Size Trade-off Analysis for Wearable Single-DOF Finger Exoskeleton Linkages
Zeynep Aslan, Umut Aygün, Kutluk Bilge Arıkan

Stress-Related Effects on Cerebellum-Dependent Motor Adaptation in a Leader–Follower Human–Computer Interaction Task
Hasan Qawas, Aşkım Gülpek, Kutluk Arıkan

How Users Rate and Perform Tasks in Generative AI Interfaces: A Comparison of ChatGPT, Gemini, and Claude
Nilgün Özdamar, Sefa Emre Öncü, Uygar Soyrac

Designing for "Calibrated Trust": An Explainability-Oriented Interface Framework for Early-Stage Architectural Decision Support
Ürün Biçer, Serkan Erdinç

HALL 3

SALON BAŞKANI
Kürşat Çağıltay

Human-Centered AI for English for Specific Purposes: Engineering Students' Perceptions of AI-Assisted Learning and Employability Skills
Mohd Shahbaz Khan

From AI Adoption to Business Performance: A Human-AI Decision Intelligence and Organizational Agility Framework
Rasim Abutalıbov, Seymur Guliyev

A Confidence-Gated Colour and Concavity-Based Framework for Human-Supervised Visual Monitoring of Drill Cuttings
Khalid Akhundov, Timur Aliyev

Perceived Usability of Prompt-Based AI Tutors in a University English Preparatory Program: Instructor and Student Perspectives
Duygu Timur Açar, Sezin Eşfer

ADEM ÇELIK CONFERENCE HALL

SALON BAŞKANI
H. Can Barutcu

A Human-Centered Retrieval-Augmented Generation Framework for Transparent Sprint Planning in Agile
Hikmat Allahverdiyev

Bengali Image Alternative Text Generation Using Deep Learning for Enhanced Accessibility
Arnab Singha, Mahadi Rahman, Tanjila Sarkar Promi, S. M. Nafis Ahmed, Syed Nafees Kaiser, Nasreen Azad, Muhammad Nazrul Islam

LucidUI: A Flashlight, Not a Judge for Explainable, Deterministic Evaluation of AI-Generated Interfaces
Ömer Burak Şal, Hale Sezin Özorman, Didem Tufan

Dual Orchestration in a Browser-Based Music Learning Platform
Fulya Çelikel Soğancı

HALL 1	HALL 2	HALL 3	ADEM ÇELIK CONFERENCE HALL
Comparative Evaluation of Usability and UX across YouTube, Instagram, and TikTok: The Role of Demographic Factors Sazia Tabasum Mim, Muhammad Nazrul Islam, Fairooz Nawar Nawme, Tanha Tasfia, Nasreen Azad, Nazim Choudhury	**Eye-Tracking-Based Evaluation of Urban Identity Elements in the Kilis Urban Conservation Area** Saliha Taşçıoğlu, Adem Korkmaz, Selma Bulut, Zeyneb Uylaş Aksu, Sevinç Gülseçen	**From Physiological Signals to Adaptive Interfaces: A Wearable-Based Stress Classification Framework for Human-AI Symbiosis** Bedirhan Demirci	**Human-in-the-Loop Agentic Access Governance in a Data Mesh: Bridging Contextual Assessment and Deterministic Enforcement** Ahmet Çiçekci, Altan Çakır
Usability and Cognitive Workload Across Generative AI-Based Chatbots: A Multi-Method Comparative Study Kazi Israt Hassan Eva, Shadman Shafeen Khan, Nasreen Azad, Muhammad Nazrul Islam	**Calibrated Trust or Blind Reliance? Uncovering Human-AI Symbiosis Profiles among Software Developers through Clustering and Explainable Machine Learning** Rana Kaptan, Elif Üler	**Beyond the Second Pilot: An LLM-Assisted Decision Support System for Single-Operator Swarm UAV Operations** Ayşe Erdemir, Banu Diri	**User trust and emotional self-disclosure in LLM-based chatbots: an empirical comparison of three bots** Asya Guliyeva, Tarana Aliyeva

Lunch (13:15-14:15)

15:00 - 17:30

SALON BAŞKANI Asiye Bilgili	SALON BAŞKANI Sezin Eşfer	SALON BAŞKANI Zeyneb Uylaş Aksu	SALON BAŞKANI Sevinç Gülseçen
Can Visual Noise Enhance Sensorimotor Control? A Pilot Study Using a Virtual Cart-Pole Task Miray Şen, Elif Nur Haney, Elif Arabacı, Ali Emre Turgut, Kutluk Bilge Arıkan	**When the Chatbot gets it wrong: service failure and trust repair in AI-mediated higher education marketing** Hoang Lam Phan, Hesham Magd	**A Human-Centered Examination of an LLM's Alignment with Human Judgment in Evaluating Turkish Instructional Summaries** Anıl Kuş, Manuel Suárez Román	**Prompt Engineering and Emotional Intensity in AI-Assisted Music Production: A Human–AI Co-Creation Case Study** Emre Tandırlı
Designing Trust-Calibrated, Blockchain-Anchored Explainable Interfaces for Banking Fraud Analysts Orkhan Masimov	**Viewing Angle and Directional Lighting in Immersive VR: An Exploratory Study of Object-Manipulation Performance** Semihanur Aktay Subaşı, Deniz Merve Uzun, Gökçe Nur Yılmaz, Yücel Çimtay	**From the Past to The Future: Historical Roots and Contemporary Challenges of Human–Artificial Intelligence Symbiosis in Human–Computer Interaction** Nermine Emirbeyova	**Explainable and Leakage-Controlled Multimodal Analysis of Task Complexity and Performance for Adaptive Situation-Monitoring Interfaces** Durmuş Koç, Sevinç Gülseçen
Ruled Out, Still Believed: Auditing and Repairing Belief Updating in Visual Dialogue Agents Siamak Vajdihokmabad, Gokhan Ince	**Comparison of Task-Entry Latency in Handheld Augmented Reality Versus Flat-Screen Interaction** Bora Çalışkan, Bora Şenceylan, Gökhan İnce, İbrahim Delen	**Ethics of Behavioural Defence: Privacy, Fairness, and Human Oversight in Keystroke-Dynamics Detection of HID Injection Attacks** Mahammad Garayev, Asif Ganbayev	**Evidence-Based Redesign of a University Web Ecosystem: Survey Findings, RESTful Architecture and AI-Assisted Content Management** Yunus Emre Hoş, Furkan Terzi, Umut Kaya, Salih Bütüner, Zeynep Altan

HALL 1

A Bidirectional Co-Simulation Framework Coupling Ad-mittance-Controlled Mobile BWS Robots with Predictive Musculoskeletal Dynamics

Danish Ahmed, Umut Aygun, Şeref Arda Özel, Youness Lahdili, Ali Emre Turgut, Gökçe Nur Yılmaz, Ulaş Güleç, Kutluk Bilge Arıkan

Human-AI Collaboration in New Product Development Through a Task-Technology Fit Lens: A Systematic Literature Review

Chaymae Jebari, Dominik Siemon, Sercan Ozcan

Imagining a Past That Never Was: Human-Centered Interaction with AI-Generated Historical Images

Hatice Öz Pektaş, Salih Apaydın, Duygu Yucel, Hasip Pektaş

From Society 5.0 to the Kardashev Scale: The Role of the Smart Human in the Evolution of Technological Civilization

Burcu Esin İliş, Sevinç Gülseçen

When Technology Participates in Human Action: Rethinking Agency and Authority in Smart Interaction

Ayşe Asya Gürgün Özdemir

HALL 2

Touch-Based Interfaces for Diabetes Management Products in South Asian Geriatric Populations

Dipak Jana

CAD2VR: Towards enabling design workflows in VR

Elif Gürçınar, Arzu Çöltekin

An Evaluation of User Experience, Perceived Workload, and Cognitive Extension in AR-based Medical Training

Tatiana Veverita, Andrei Braicov, Alexandru Bibic, Mihail Terenti, Radu-Daniel Vatavu

From Creating Worlds to Making Them Work: Usability of Teacher-Authored Virtual Reality Editor SAGEMO

Göknur Kaplan, Kursat Cagıltay, Cetin Tuker, Berkan Celik

Designing Synthesizer Interfaces Around What Changes the Sound: Sensitivity-Informed Progressive Disclosure

Oğulcan Kibar, Barış Özcan

HALL 3

Rethinking Cyberbullying in AI-Mediated Communication: A Pilot Comparison of Human and AI Judgments

Seda Turan

Bounding Retained Manipulation in Longitudinal Audits of Dark Pattern Redesign

Nail Mammadov, Laman Guliyeva, Azar Huseyn, Elchin Abasov, Elmaddin Huseynov, Ali Hasanov

Legal Regulation of AI-Assisted Recruitment

Sona Karimova

From Correlation to Causal-Aware Explainability: Integrating Machine Learning and Explainable AI in Educational Data

Ayşe Dilek Öztürk, Zeynep Altan

Dark Patterns in Subscription Cancellation Interfaces

Samina Rustamova, Rahima Calilova, Yegane Alieva, Sevinc Azimova

ADEM ÇELIK CONFERENCE HALL

Design and Generalizability Analysis of a Human-Centered, AI-Supported Mobile/Web Platform for Sustainable Waste Sorting: ALIŞKAN

Ebru Inan Barutcu, Kan Kılıç, Eyüp Harun Zeybek, Mert Akgür

Integration of English Language Teaching in Technical Higher Education Institutions with Artificial Intelligence: an Innovative Model Based on ESP and CLIL

Almaz Mehdiyeva

How to Think in (Design) Systems in 2026? Components, Accessibility, and the Case for Hypertokens

Muhammad Ali

Use of Brain–Computer Interfaces for Motor Rehabilitation in Central Nervous System Disorders: A Narrative Review

Mahmut Berat Akdağ, Huseyin Can Barutcu

Designing Conversational AI Around Human Needs: Towards an Inclusive Framework for Older Adults

Diva Smriti, Martin Lacayo Emery, Kathrin Koebel, Madhumita Murali, Sukhi Sandhu, Arzu Cöltekin, Jina Huh-Yoo

NOV 22

Paper Session

Sunday, November 22, 2026

10:45 - 12:00

HALL 1

SALON BAŞKANI
Asiye Bilgili

StrideGuide
Kuzey Doğan, Yalcin Tur, Sadi Bulut

The Human-Technology-Healthcare Triangle
Emin Tavakkulov

At-home physiotherapy for older adults with a digital coach
Cloe Hüsser, Raphael Banz, Alessandro Calcagno, Arzu Çöltekin

The Role of Smart Rings for Stress Regulation among Young Adults
Chenxin Chen, Kevin Doherty, Andreas Balaskas

An Exploratory Study of Readability and Affective Expression in Turkish E-Commerce Reviews
Seda Kılıçer, Rüya Şamlı

HALL 2

SALON BAŞKANI
Sezin Eşfer

A Comparative Study of Visual–Motor Skills in Children with Learning Disabilities and Their Typically Developing Peers
Sude Sari, Gokce Nur Yılmaz, Tulin Haslaman, Esra Ozcan, Kursat Cagiltay

The Impact of AI-Based Learning Applications on Generation Z: A Review of Gamified Digital Learning Platforms
Mehmet Görkem Kestane, Livanur Pınar

Determining Design Criteria for a Multimodal Neuro-Adaptive Digital Game for Individuals with Dyslexia
Semra Fiş Erümit, Furkan Kalyoncu, Hasan Karal, Ali Kürşat Erümit, Adil Yıldız

Qastle: Reimagining Chess Through a Cross-Cultural Turn-Based Strategy Game for Mobile Platforms
Abdullah Doğan, Yunus Doğan

Interaction Processes and Depth Perception in Immersive Virtual Reality Painting for Embodied Human–Computer Interaction
Gokce Nur Yılmaz, Esra Özcan, Tülin Haslaman, Kutluk Bilge Arıkan, John John Cabibihan, Kürşat Çağıltay

HALL 3

SALON BAŞKANI
Ebru İnan Barutcu

Visual Attention to Interactive Elements in an H5P Video Environment: An Eye-Tracking Mixed-Methods Study
Serra Ersoy

Critical Success Factors (CSFs) Across Traditional, Agile, and Hybrid Information Technology (IT) Projects: Examining End-User Factors from a Human-Computer Interaction (HCI) Perspective
Çağla Özen, Hatice Soğukpınar Ergüder, Meltem Özturan

Exploring Cognitive Load Across Different Storytelling Approaches in Video Game Onboarding Using NASA-TLX
Progga Ray, Reefah Tasnia Haque, Nasreen Azad, Muhammad Nazrul Islam

Beyond Passage-Level Matching: Question Type as a Design Lever in Adaptive Reading Systems
Tanuj Garg, Mahit Chopra, Ansh Sharma, Gowtham Krishna, Samaira Garg

Human-Centered Digital Twin for Construction Business Processes in Post-Conflict East Zangezur
Nijat Jafarli, Rasim Abutalibov