

**1st International Conference on Human Centric Artificial Intelligence (ICHCAI 2026):
Tentative Conference Program (27.05.2026 and 28.05.2026)**

Day 1. Date/Time: 27th May 2026, 08:00 – 16:00 (Oslo Time/CET)

Venue: [Fredriksten Festning Hotel](#), Halden, Norway.

Time	Title/Description
Session 1. Inaugural Session Chair: Sanjay Misra (Institute for Energy Technology (IFE), Norway)	
08:00 h – 08:05 h	Opening Remark: Kai Morgan Kjølervbakken (IFE)
08:05 h – 08:10 h	Institutional Welcome from IFE: Per Øivind Braarud (IFE)
08:10 h – 08:15 h	Introduction to ICHCAI: Sanjay Misra (IFE)
08:15 h – 08:20 h	Inaugural Address: Bjørn Axel Gran (IFE)
08:20 h – 08:50 h	Invited Talk: Humans in the Loop: Who Decides What AI Agents Do in Regulated Compliance Infrastructure. Synnøve Olset, CEO (Mynder, Norway)
08:50 h – 09:15 h	Coffee Break
Session 2. Human-Machine Interaction and Collaboration-1 (Paper Presentations) Session Chair: Kai Morgan Kjølervbakken, IFE, Norway	
09:15 h – 09:30 h	Designing Interfaces for the Integration of AI Agents in Maritime Navigation and Control: Potentials, Guidelines, Risks, and Emerging Requirements (#45) Ricardo Simian, Jon Erling Fauske, Emilie Berg Eilertsen, Kjetil Nordby, and Etienne Gernez
09:30 h – 09:45 h	A Quantitative Methodology for Real-time Measurement of Human-AI Shared Situation Awareness (#62) Mengchu Song, Wenlin Wang, Zhihui Xu, and Guohua Wu
09:45 h – 10:00 h	PacePal: A Geo-Aware Retrieval-Augmented Chatbot Prototype for Walking Support (#104) Somyajit Chakraborty, Dr Muhammad Shoaib, Dr Muhammad Masood Sarfraz and Dr Mujahid Tabassum

10:00 h – 10:15 h	Toward Human-Centered Explanations for Agentic AI: Taxonomy, Mapping, and Evaluation (#110) Xinyu Hou, Yazan Mualla and Mahjoub Dridi
10:15 h – 10:30 h	Constructing the Human-AI Boundary with Metaphors: A Demystification-Legitimation Paradox (#113) Maryam Washik and Ida Heathcote-Fumador
10:15 h – 10:45 h	Coffee Break
10:45 h – 11:15 h	Invited Talk: Humans <> Artifacts; Art <> Science: Objects Emerge from Relations Cagri Erdem, University of Oslo
Session 3. Data-Driven Intelligence and Automation (Paper Presentations) Session Chair: Professor Ewaryst Tkacz, Academy of Silesia, Poland	
11:15 h – 11:30 h	Artificial Intelligence in the Soccer Domain: Practice and Experience (#51) Dag Johansen, Pål Halvorsen, Tor-Arne Schmidt Nordmo, Kim Hartvedt Andreassen, Markus Hilbertsen, Jon Foss Mikalsen, Martin Rypdal and Mehdi Sarkhoosh
11:30 h – 11:45 h	Designing Claim-Centric Knowledge Graphs for Traceable Retrieval (#61) Carl Christian Roll-Lund and Gustavo Borges Moreno E Mello
11:45 h – 12:00 h	Prediction of Physiological Recovery Time in Women Using Machine Learning and Multimodal Physiological and Demographic Features (#63) Joanna Chwał, Radosław Dzik, Marcin Wawryszczuk and Ewaryst Tkacz
12:00 h – 12:15 h	Data Quality Management in Human Centric AI (#111) Hongjiang Xu
12:15 h – 13:15 h	Lunch Break
Session 4. Human-Centered Digital Transformation (Paper Presentations) Session Chair: Thomas Schuster, Pforzheim University, Germany	
13:15 h – 13:30 h	A Longitudinal Qualitative Study of Human Needs, Ethics, and Risk in AI-Enabled Urban Safety (#57) Emanuela Stagno and Matilda Dorotic
13:30 h – 13:45 h	Business First, Human Always: A Practitioner Framework for Embedding Human Needs into AI-Enabled Digital Transformation (#105) Shaje Ganny
13:45 h – 14:00 h	Human-Centric, Privacy-Aware RAG Architecture for Higher Education: Design Principles and Governance-Aware Evaluation (#117) Andreas Schneider and Thomas Schuster

14:00 h – 14:15 h	The Legitimacy Layer: A Runtime Governance Architecture for Human Oversight in AI-Assisted Critical Decision Systems (#119) Hamza Arab
14:15 h – 14:30 h	Explainability-Oriented Semantic Validation for Digital Product Passports in Industrial Systems (#118) Liyanapathirana Sudeepika Wajirakumari Samarathunga, Martin Thomas Horsch and Fadi Al Machot
14:30 h – 15:00 h	Networking/Mingling – Coffee.
Session 5. Safety, Security, and Physical Applications Impact #1 (Paper Presentations) Session Chair: TBA	
15:00 h – 15:15 h	Ensuring Human Safety and Accountability through Data Management in Automated Driving (#29) Thanh Bui and Ian Marsh
15:15 h – 15:30 h	Human-Centric AI Cyber-Resilience in HealthTech: An Empirical Study in Moroccan Healthcare Organizations (#55) Youssef Mazouz and Lotfi Benaazzou
15:30 h – 15:45 h	Disinformation Countermeasures and AI (#67) Joshua Bronson and Alina Östling
15:45 h – 16:00 h	Creating a Cross-Modal Post-Hoc Surveillance Application: An Exploratory Study of Crime Video Analysis and Law Enforcement Feedback (#68) Kyle Porter
16.00 h	Closing: Announcements

Day 2. Date/Time: 28th May 2026, 08:00 – 14:30 (Oslo Time/CET).

Session 6: Online Presentations	
Session Chair: Sabarathinam Chockalingam, Institute for Energy Technology (IFE), Norway	
08:00 h – 08.15 h	Responsible AI Sovereignty Model (54) Damien Kopp, Kasper Cools and Clara Maathuis
08: 15 h – 08.30 h	Expanding the Boundaries of Multimodal Emotion Recognition and Regulation: A Scoping Review from an HCI Perspective (#73) Le Fang, Yingqing Xu and Stephen Wang

08:30 h – 08:45 h	Human-Centric Artificial Intelligence in Recruitment: A Systematic Review of User Perception, Understanding, and Adoption (#108) Yashika Gupta and Neetima Agarwal
08:45 h – 09:00 h	Design Paradigms for Trustworthy Human–AI Collaboration: An Integrative Scoping Review and Topic Modeling Driven Bibliometric Analysis (#44) Roseline Oluwaseun Ogundokun, Rotimi-Williams Bello, Pius Adewale Owolawi, Chunling Du and Etienne van Wyk
09:00 h – 09:15 h	A Human-Centric Hybrid Framework for Continuous Authentication via Keystroke Behavioral Biometrics Using ML and Deep Q-Networks (#106) Janvi Sharma, Sunil K. Singh, Sudhakar Kumar, Rima Kumari, Archit Jain, Varsha Arya, Kwok Tai Chui and Brij B. Gupta
09:15 h – 09:30 h	Towards Trustworthy Real-Time Human Centric AI: A Comprehensive Review of Online Decision Making in High-Stakes Domains (#48) Roseline Oluwaseun Ogundokun, Rotimi-Williams Bello, Pius Adewale Owolawi, Etienne van Wyk and Chunling Du
Session 7: Keynote Talk Session Chair: Kai Morgan Kjølterbakken, IFE, Norway.	
09:30 h – 10:15 h	Human-Centric AI: Rethinking What AI Should Deliver? Signe Riemer-Sørensen. SINTEF
10:15 h – 10:30 h	Coffee Break
Session 8: HCAI for Online Decision Making in Critical Applications (Paper Presentations) Session Chair: Sanjay Misra, IFE, Norway	
10:30 h – 10:45 h	Temperature-Driven Uncertainty Assessment in LLM Medical Reasoning Using Geometric Embedding Analysis (#1) Ainaz Rafiei, Jungwon Seo, Betul Yurdem and Ferhat Ozgur Catak
10:45 h – 11:00 h	Benchmarking the Evolution of Large Language Models Toward Safe and Collaborative Clinical Reasoning (#52) Warisara Asawaponwiput, Panyawut Sri-lesaranosorn, Chaisiri Angkurawaranon and Decho Surangsrirat

11:00 h – 11:15 h	Human-centered on-device infant wake-up detection: reducing caregiver burden through privacy-aware decision support (#59) Jorge Hernandez and Hector Florez
11:15 h – 11:30 h	Governed Negotiation for Human-Centric Disruption-Aware Railway Dispatching in Flatland: Methodology and Pilot Validation (#69) Roman Liessner, Manuel Renold, Julia Usher, Adrian Egli, Daniel Boos, Manuel Meyer and Manuel Schneider
11:30 h – 11:45 h	A Human-in-the-Loop and Explainable AI Framework for Decision Support in Battery Lifecycle Management Using Digital Battery Passports (#109) Liyanapathirana Sudeepika Wajirakumari Samarathunga, Themiya Dishakya Welage, K.D. De S. Jayasekara and U.A.D.P. Gunawardena
11:45 h – 12:00 h	Mitigation Advisory Using Long-Horizon Forecasting for an iPWR Pressurizer Spray Valve Stuck-Open Transient (#70) Donghee Jung, Junyong Bae and Seung Jun Lee
12:00 h – 13:00 h	Lunch Break
Session 9. Human-Machine Interaction and Collaboration– II (Paper Presentations) Session Chair: Per Oivind Braarud, Institute for Energy Technology	
13:00 h – 13:15 h	Operators’ Perspectives on AI support for Monitoring and Controlling Multi-Unit Small Modular Reactors (#107) Per Oivind Braarud, Aleksander Gundersen, Jens-Patrick Langstrand, Espen Nystad, Robert McDonald and Daniel Odén
13:15 h – 13:30 h	Unsupervised Anomaly Detection in Water Distribution SCADA System Using Gaussian Mixture Models with GMM-LIME Explainability (#112) Hafiz Ahmed
13:30 h – 13:45 h	High-Level Policies, Low-Level Decisions: A Human-Centered AI Framework for Autonomous Transportation Systems (#114) Apostolos Kotsialos and Polyxeni Vassilakopoulou
13:45 h – 14:00 h	Prompt Compliance and Detectability in Text-to-Video Abnormal Incident Simulation for Safety-Critical Computer Vision (#56) Indika Anuradha Mendis Balapuwaduge and Mulugeta Weldezigina Asres

14:00 h – 14:15 h	Human-Centred Lung Segmentation with Data Augmentation and Uncertainty-Aware Review (#121) Adebayo Abayomi-Alli, Artur Rocha and Olusola Abayomi-Alli
14:15 h – 14:30 h	Closing Remark: Kai Morgan Kjølervbakken, Per Øivind Braarud, Sanjay Misra (General Chairs)
14:30 h – 17:00 h	Exploring Halden (Walk Tour)