

# 2026 Pre-ECIS Workshop on Human-Computer Interaction

## Workshop Program

### The 34th European Conference on Information Systems

ECIS 2026 · Milan, Italy · June 12–17, 2026

**Workshop date** June 14, 2026

**Workshop time** 14:00–18:30 · Research presentations, Q&A, and poster session

Human-AI Interaction

Embodied Interaction

Digital Work & Wellbeing

Protective Interaction Design

### Workshop Co-Chairs



**Dr. Constantinos K. Coursaris**  
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**Association for Information Systems (AIS)**

Special Interest Group on Human-Computer Interaction (SIGHCI)

## 2026 Pre-ECIS Workshop on Human-Computer Interaction — Program

Time	Paper	Authors	Format
14:00	<b>Session 1: Trust, reliance, and individual differences in Human–AI interaction</b>		
	Manu vs. the Machine: Does Anthropomorphic Design Help to Overcome Algorithm Aversion	<i>Naima Gerlach; Irina Heimbach</i>	12+5 min. Q&A
	A Qualitative Study on Users’ Trust Calibration Journeys in Interactions with Generative AI Assistants	<i>Ana-Maria Sîrbu; Ulrich Gnewuch</i>	12+5 min. Q&A
	Exploring Perfectionism and GenAI Use Behavior in AI-Assisted Writing: Initial Results	<i>Julia Seitz Saenger; Thimo Schulz; Kira Feinauer; Christof Weinhardt</i>	12+5 min. Q&A
14:50	<b>Short break</b>		
15:00	<b>Start of Session 2: Embodied interaction, simulation, and sociotechnical collaboration</b>		
	The Influence of Haptic Feedback in Heavy Equipment Training Simulators on Operator Performance in the Industrial Sector	<i>Thaddé Rolon-Merette; Alexander John Karran; Théophile Demazure; Charles Leonard-Thiffault; Sylvain Sénécal; Pierre-Majorique Léger; Constantinos K. Coursaris</i>	18+5 min. Q&A
	The Role of Gossip and Shared Mental Models on Collaboration in Electronic Health Record Implementation Teams	<i>Alexander Peever; Milena Head</i>	12+5 min. Q&A
	What Changes Minds about AI in Creative Work: Evidence from Online Deliberation	<i>Hazel Hyeseung Kang</i>	12+5 min. Q&A
16:00	<b>Coffee break</b>		
16:30	<b>Start of Session 3: Digital work, wellbeing, and protective interaction design</b>		
	Reconfiguring organisational culture in browser-based virtual offices	<i>Myrto Dimitriou; Efpraxia Zamani; Mariann Hardey; Nancy Pouloudi</i>	18+5 min. Q&
	Design Tensions in Wearable-Based Depression Care: Insights from Patient Experiences in Primary Care	<i>Luca Kittelmann; Maximilian Schumergruber; Philipp Reindl-Spanner; Barbara Prommegger; Helmut Krcmar</i>	12+5 min. Q&A
	The Effect of Security Status Displays on User Cybersecurity Behaviors: A Comparative Study of Positive and Negative Feedback Interfaces	<i>Gunjan Batra; Khawaja Saeed; Botong Xue</i>	12+5 min. Q&A
	Beyond Screen Time: Reconceptualizing Digital Fatigue from a Human-Centred Perspective	<i>Andrea Araiza; Wietske Van Osch</i>	12+5 min. Q&A
17:40	<b>Short break</b>		
17:50	<b>Start of Poster Session</b>		40 min. interactive
	<i>Paper details are provided on the next page.</i>		

<b>Time</b>	<b>Paper</b>	<b>Authors</b>	<b>Format</b>
	Reconceptualizing Immersion in the Metaverse: A Sociomaterial Perspective	Ketan Wadhvani; Mayank Kumar; Jang Bahadur Singh; Sujeet K Sharma	
	Exploring Mechanisms of Resistance against the Digital Spread of Authoritarianism on Social Media	Marco Dürr; Marten Risius; Winnifred Louis	
	Carrot or Stick? Incentive Design for Appropriate Reliance in Human-AI Collaboration	Joshua Holstein; Philipp Spitzer, Patrick Hemmer; Gerhard Satzger; Wei Sun	
	The Different Dimensions of Explanation Incorrectness in Human-AI Collaboration	Philipp Spitzer; Katelyn Morrison; Joshua Holstein; Gerhard Satzger; Niklas Kühl	
	Incorporating Social Presence in the Anthropomorphic Design of Service Robots: Insights from Social Presence Theory	Yanqing Lin; Yong Liu; Virpi Tuunainen; Xun Zhou	
	Sociomaterial Sensemaking Agency (SSA): How Do Algorithms Impact Functional Sensemaking Agency?	Jann Bitzer; Marten Risius	
	CEAUX: A Cultural, Ethical, and Adaptive User Experience Framework for Inclusive AI-Enabled Public Services	Scarlett Jebara; Joé T. Martineau; Wietske Van Osch	
18:30	<b>End of Workshop</b>		

## Author Bios

**Andrea Araiza** holds a Bachelor of Fine Arts in Design and Computation Arts from Concordia University and is pursuing a Master of Science in User Experience at HEC Montréal. She is a product designer with experience in aerospace and health tech. Her current research explores digital fatigue and how everyday patterns of technology use shape individuals' experiences and well-being.

**Dr. Gunjan Batra** is an Assistant Professor in the Information Systems and Security department at Kennesaw State University. She holds a PhD from Rutgers University. A former KPMG consultant and Certified Information Systems Auditor (CISA), her research focuses on information security behavior, access control, and data analytics, with publications in reputed journals such as *Computers & Security* and *Communications of the Association for Information Systems*.

**Jann N. Bitzer** is a Research Assistant at Neu-Ulm University of Applied Sciences, Germany. With a focus on online Trust and Safety, his dissertation explores how algorithms participate in constructing the realities people perceive and act on, what harms this can give rise to, and how those harms can be surfaced and addressed.

**Dr. Constantinos K. Coursaris** is Full Professor of Information Technology, M.Sc. User Experience Director, and Tech3Lab Director. Constantinos is a Past Chair and current Advisory Board Chair of AIS SIGHCI, AIS AVP Research Resources, and IFIP TC.13 Expert Member. Constantinos is a human-computer interaction researcher studying user motivations, expectations, and experiences with new media and the design implications for information systems.

**Dr. Théophile Demazure** is an Assistant Professor of Information Technologies at HEC Montréal, a researcher at Tech3Lab, and an IVADO Professor. His research combines Information Systems and Neuroscience to examine human-technology interactions and the societal implications of AI. His interests include neuroadaptive systems, physiological signal processing, machine learning, explainable AI, and the individual impacts of generative AI in organizations.

**Dr. Myrto Dimitriou** is a social anthropologist, business coach, and origami artist with two Guinness World Records. Her distinctive approach blends origami with team-building, focusing on motivation, creativity, and organizational efficiency. She is currently a Marie Skłodowska-Curie PhD researcher under the AGORA project, jointly affiliated with Durham University and AUEB, exploring how virtual workplaces influence communication, professional identity, and organizational behavior.

**Marco Dürr** is a Research Assistant at Neu-Ulm University of Applied Sciences, Germany. His dissertation explores how content moderation can be advanced through user-centered approaches. His work has been published at recognized Information Systems Conferences such as the International Conference on Information Systems and the ACIS. He further obtained a scholarship from the Bavarian Institute for Digital Transformation.

**Kira Feinauer** has studied industrial engineering and management at Karlsruhe Institute of Technology (KIT) and is now pursuing a trainee position in industry. During her studies, she specialized in behavioral economics, sustainability in energy and transportation, and global production. Using her expertise in behavioral economics and experimental design, she investigated human-AI collaboration dynamics in her master thesis project.

**Naima Gerlach** holds a BSc in Business Psychology from WHU – Otto Beisheim School of Management. She currently works at Delivery Hero, where she applies her background in psychology and business to digital and organizational contexts. Her interests include human behavior, decision-making, and technology-driven work environments.

**Dr. Ulrich Gnewuch** is a Professor of Information Systems at the University of Passau, Germany, where he holds the Chair of Explainable AI-Based Business Information Systems. His research focuses on the design, use, and impact of AI in business and society.

**Dr. Mariann (Maz) Hardey** is Professor of Business and Computing at Durham University Business School. Her research at the Leverhulme Centre for Algorithmic Life interrogates the intersection of social data, digital inequality, and organisational identity. A prolific writer and strategist, she focuses on the lived experience of technology, helping us navigate the complexities of enacting culture in tech work environments.

**Dr. Milena Head** is a Professor of Information Systems, the Wayne C. Fox Chair in Business Innovation, Director of the McMaster Digital Transformation Research Centre and Director of the EMBA program at the DeGroote School of Business, McMaster University. Her research focuses on human-computer interaction and understanding how we use and misuse technology. Of particular focus, she seeks to expand understanding of marginalized groups' (e.g., older adults) use of technologies so that digital divides can be bridged for benefits to all.

**Dr. Irina Heimbach** is Acting Professor of Information Systems and Digital Transformation at the University of Potsdam and associated researcher at the Weizenbaum Institute Berlin. Previously Assistant Professor at WHU, she earned her PhD from TU Darmstadt in 2016. Her research examines data-analytic technologies, digital platforms, and human-AI collaboration in marketing and HR.

**Dr. Patrick Hemmer** is a Data Scientist at Roche and a graduate of the Karlsruhe Institute of Technology. His research specializes in human-centered artificial intelligence, with a focus on human-AI complementarity and the development of effective collaborative systems. He applies machine learning methods to investigate how humans and AI can work together to achieve superior outcomes.

**Dr. Joshua Holstein** is a postdoctoral researcher leading the Applied AI in Services Lab in the research group Digital Service Innovation at the Karlsruhe Institute of Technology. His work primarily focuses on enhancing human-AI collaboration by supporting the development of humans' mental models of AI systems and their underlying data, examining how these affect reliance behavior and team performance.

**Scarlett Myriam Jebara** is a Master's student and Research Assistant at HEC Montréal. Her work explores user experience, ethical AI, and inclusive public services, with a focus on culturally grounded design. Within the Chair in Organizational Ethics and AI Governance, she examines how ethical AI and user experience can make digital services more accessible, inclusive, and responsive to diverse cultural realities.

**Hazel Hyeseung Kang** is a PhD candidate in Information Systems at Boston University's Questrom School of Business, holding a BA and MA in Economics from Yonsei University. Her research leverages LLMs to annotate large-scale online discourse, studying persuasion, deliberation, and user behavior. Her dissertation examines how rhetorical strategies and reputation systems shape minds in online communities.

**Dr. Alexander John Karran** is an associate researcher at Tech3lab HEC Montréal. He holds a Ph.D. in Psychology from Liverpool John Moores University United Kingdom. His research focuses on neurophysiological adaptive systems using machine learning approaches, and applied artificial intelligence in the automotive, aerospace and A.I. decision support domains.

**Luca Kittelmann** holds bachelor's and master's degrees in Information Systems from the Technical University of Munich. He was a visiting student at the University of Pisa and the Pontifical Catholic University of Chile. He is a doctoral candidate in the POKAL Research Training Group, focusing on HCI in wearable-based depression care.

**Dr. Helmut Krcmar** is Professor Emeritus of Information Systems at the Technical University of Munich and head of the KrcmarLab. His research focuses on digital transformation, information management, knowledge management, platform-based ecosystems, IT-based services, e-government, and computer-supported cooperative work. He is an AIS Fellow and former president of the Association for Information Systems.

**Dr. Niklas Kühl** is a Full Professor of Information Systems and Human-Centric Artificial Intelligence at the University of Bayreuth and a group leader at Fraunhofer FIT. His research focuses on appropriate reliance on AI, human-AI complementarity, explainable AI, and algorithmic fairness. He publishes across leading information systems and machine learning venues and leads the AI Responsibility Centre.

**Dr. Mayank Kumar** is an Assistant Professor in Information Systems at IIM Bangalore. His research interests include Health IT, IT adoption, and the sociological examination of IT implementation challenges. His work has been published in journals including Information Systems Journal, Journal of Knowledge Management, and International Journal of

Information Management, and presented at international forums including AMCIS and the ICIS Doctoral Consortium.

**Dr. Pierre-Majorique Léger** is a full professor of information technologies at HEC Montréal and holds the Research Chair in User Experience (UX). He has co-authored over one hundred refereed articles, holds over 20 invention patents, and has been involved with several start-ups. He is the director of the ERPsim Lab and the co-founder of HEC Montréal's Tech3Lab.

**Charles Leonard-Thiffault** is a user experience researcher at Tech3Lab and a UX/UI design specialist. He holds a Master's in User Experience from HEC Montréal. He currently works with the Orysens Inc. team at the Centech incubator, focusing on customer journey optimization, interface design, data analysis, and sustainable UX marketing strategies.

**Dr. Yanqing Lin** is an Assistant Professor at Hanken School of Economics, Finland. Her research focuses on service robots for business values, the dark side of ICT use, and the dynamics of digital communities in value creation. Her work has been published in Journal of the Association for Information Systems, Internet Research, Computers in Human Behavior, etc.

**Dr. Yong Liu** is an Associate Professor at Aalto University, Finland. His research interests cover the areas of AI robotic service, big data social science, electronic commerce, social media, and eWOM. He has more than 100 publications at international conferences and journals such as MIS Quarterly, Journal of the Association for Information Systems, Journal of Travel Research, and Tourism Management.

**Dr. Winnifred R. Louis** is a Professor in the School of Psychology at the University of Queensland. Her research interests focus on the influence of identity and norms on social decision-making. She has studied this broad topic in contexts from political violence and community activism to health and environmental choices. Some resources and additional details are available online at [www.socialchangelab.net](http://www.socialchangelab.net).

**Dr. Joé T. Martineau** is Associate Professor in the Department of Management at HEC Montréal and holder of the Chair in Organizational Ethics and AI Governance. Her current research examines the ethics and governance of AI, ethics programs in organizations, and the development of ethical competence in organizational actors across private, public, and healthcare sectors.

**Dr. Katelyn Morrison** just completed her Ph.D. in the Human-Computer Interaction Institute at Carnegie Mellon University's School of Computer Science, advised by Adam Perer. Her thesis work focused on expanding the design space for explainable AI in human-AI collaboration. Her research experience spans industry, government, and non-profit organizations, including the Software Engineering Institute, Microsoft Research, and IBM Research.

**Dr. Alex Peever** is a PhD Candidate in information systems at the DeGroote School of Business at McMaster University, in Hamilton, Ontario. His background is in medicine, behavioral economics, and public health. He is interested in multidisciplinary research involving teams, technology, burnout, informal communication, healthcare, and qualitative methods.

**Dr. Nancy Pouloudi** is Professor of Information Systems Management and Vice-Rector of international Cooperation and Growth at the Athens University of Economics and Business, Greece. She has served as President of the Association for Information Systems (AIS) in 2023-2024. Her research focuses on organizational and social issues in information systems adoption and implementation.

**Dr. Barbara Prommegger** is a postdoctoral researcher and head of the Technology and Work research group at the Technical University of Munich. She was a visiting research fellow at the Oxford Internet Institute, University of Oxford. Her research focuses on technology and work, digital organizations, and human-centered information systems.

**Dr. Philipp Reindl-Spanner** is a postdoctoral researcher at the Technical University of Munich. His research focuses on patient-generated health data, digital interventions, and AI in primary care and mental health. He studies how data and technology can support digital health services and mental healthcare.

**Dr. Marten Risius** is Professor for Digital Society and Online Engagement at Neu-Ulm University of Applied Sciences, Germany and Adjunct Senior Fellow at the University of Queensland, Brisbane, Australia. His work focuses on online Trust & Safety issues. His position receives generous funding support from the Bavarian State Ministry of Science and the Arts through the Distinguished Professorship Program.

**Dr. Thaddé Rolon-Merette** is a researcher specializing in neuroscience, psychology and artificial intelligence. His PhD was in cognitive sciences at the University of Ottawa, and he is currently a postdoctoral fellow at Tech3Lab, HEC Montreal, where his work integrates neuroscience, psychology, AI, and human-computer interactions in both fundamental and applied research problems across academic and industry sectors.

**Dr. Khawaja A. Saeed** is the Associate Dean of Undergraduate Programs at Coles College of Business at Kennesaw State University. His research focuses on user acceptance of information systems (IS) and the strategic value of IS and has been published in journals such as the Journal of Management Information Systems, Decision Sciences, Information and Management, and Information Systems Journal.

**Dr. Gerhard Satzger** is a professor for Digital Service Innovation at the Karlsruhe Institute of Technology. His research centers around conceiving and developing digital services and corresponding business models with a particular focus on human-centric design for services as well as on services that extract value from data via Artificial Intelligence.

**Thimo Schulz** is a doctoral researcher at the Information & Market Engineering chair, Institute of Information Systems (WIN), Karlsruhe Institute of Technology (KIT). His research focuses on responsible human–AI interaction and competence development for AI-supported work, using NeuroIS, experimental, and qualitative methods. His work has appeared in leading conferences in IS and HCI, including CHI, ICIS, and ECIS.

**Maximilian Schumergruber** holds degrees in Information Systems from FAU Erlangen-Nürnberg and the Technical University of Munich. He is a doctoral candidate in the POKAL Research Training Group. His research focuses on eHealth, data-driven healthcare, and the digitalization of mental healthcare.

**Dr. Julia Seitz Sängler** is a postdoctoral researcher at the Institute of Information Systems, Karlsruhe Institute of Technology (KIT). Her research focuses on designing adaptive IS for virtual collaboration in human(-AI) teams, and studying their effects using NeuroIS and experimental studies. She has published in leading IS/HCI conferences and journals, including the Electronic Markets, IJHCS, CSCW, ICIS, and ECIS.

**Dr. Sylvain Sénécal** is Professor of Marketing, RBC Financial Group Chair of E-Commerce, and co-founder of the Tech3Lab at HEC Montreal. His research focuses on online consumer behavior and consumer neuroscience and has been published in journals such as Journal of the Academy of Marketing Science, and Journal of the Association for Information Systems. Before joining academia, he held marketing positions at Arcelor Mittal.

**Dr. Sujeet Kumar Sharma** is Professor in Decision Sciences and Information Systems at IIM Nagpur. His research has appeared in journals including International Journal of Information Management, Government Information Quarterly, Technological Forecasting & Social Change, and Computers in Human Behaviour. He serves as Editor-in-Chief of the Journal of Systems and Information Technology and Associate Editor for Communications of the AIS.

**Dr. Jang Bahadur Singh** is Associate Professor at IIM Tiruchirappalli. His research interests include e-Government, digital inclusion, IT adoption, and Healthcare IT. He has published in journals including Information Systems Journal, Information & Management, International Journal of Information Management, and Economics & Political Weekly, and has presented at several international conferences.

**Ana-Maria Sîrbu** is a PhD student in Information Systems at the University of Passau, Germany. She is part of the Chair of Explainable AI-Based Business Information Systems, and her research focuses on the design of trustworthy Generative AI assistants for data analysis and business decision-making.

**Dr. Philipp Spitzer** is a postdoctoral researcher leading the Applied AI in Services Lab in the research group Digital Service Innovation at the Karlsruhe Institute of Technology. His research is on human-computer interaction, specifically on the interplay of knowledge and human-AI interaction, focusing on designing robust and effective collaborative systems.

**Dr. Wei Sun** is a Senior Research Scientist at IBM Research. Her work primarily focuses on connecting advances in modern machine learning with the decision sciences, specifically combining predictive models, optimization, and causal reasoning to build AI systems that support reliable decision-making in complex environments.

**Dr. Virpi Kristiina Tuunainen** is a Professor and Associate Dean of Research and International Cooperation at Aalto University School of Business. Her research focuses on users' trust in artificial intelligence (AI), the division of labor between humans and AI in organizations, and the implications of AI in consumer experiences. She currently serves as editor of the European Journal of Information Systems.

**Dr. Wietske Van Osch** is Full Professor of Digital Transformation at HEC Montréal, Canada Research Chair in Enterprise Social Media and Digital Collaboration, and Director of GReSI, Canada's largest IS research group. A recipient of prestigious research grants, including the NSF CAREER Award, she has published in leading Financial Times 50 journals on AI, creativity, digital team collaboration, and digital transformation.

**Ketan Wadhvani** is a Lecturer in Digital Business at Queen's University Belfast (GIFT City Campus). His research focuses on the intersection of technology and marketing, with specific interests in AI advertising, digital consumer behavior, and engagement with short-form video content.

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**Dr. Botong Xue** is an Assistant Professor of Information Systems and Security at Kennesaw State University. He received Ph.D. degree in MIS from Mississippi State University. He has publications in different IS journals, such as Information & Management, Technological Forecasting & Social Change, Journal of Computer Information Systems, etc. His research primarily focuses on InfoSec behavior, computer abuse, and AI use.

**Dr. Efpraxia D. Zamani** is Professor of Information Systems at Durham University Business School, with a doctorate from AUEB. Her research explores the organizational and social implications of Information Systems and emerging technologies. In 2024 she received the AIS Sandra Slaughter Service Award. Currently she serves as VP of UKAIS and co-chair of AIS Women's Network College (AISWN).

**Dr. Xun Zhou** is a Senior Lecturer at Surrey Business School, UK. His research interests include causal inference, performance analytics, and ICT4D. His work leverages these perspectives to study the economic mechanisms and implications of digital technologies. His research has been published in journals such as European Journal of Operational Research, World Development, Internet Research, and Economics Letters.