

# Conf-IRM 2026

25-27 May 2026

Estonian Business School, Tallinn, Estonia

## Track 8: Human-AI Interaction and Anthropomorphism

As Artificial Intelligence (AI) systems increasingly serve as intermediaries in the acquisition, processing, and dissemination of information, their design and behaviour, particularly when personified, have profound implications for IRM. Anthropomorphic AI agents, such as chatbots, virtual assistants, and recommendation systems, influence not only how users interact with data but also how organizations manage knowledge, automate workflows, and shape decision-making.

Recent research highlights that anthropomorphism can enhance user engagement and perceived system intelligence, but may also introduce framing biases, distort trust calibration, and obscure accountability in information systems. In IRM contexts, these dynamics affect how information is interpreted, validated, and acted upon, and raise critical questions about transparency, governance, and ethical design.

This track explores the dynamic and multifaceted nature of human-AI interaction. The interest of the track is not limited to instrumental useability of AI but includes the possible impact AI has on social systems and humanity in general. Therefore, the central interest of the track is how anthropomorphic AI systems reshape the management, flow, and perception of information resources across organizational and societal contexts. It invites research that bridges cognitive, behavioural, technological, managerial and social dimensions of Human-AI Interaction, with emphasis on trust, transparency, and strategic deployment of anthropomorphic agents in IRM ecosystems.

This track invites interdisciplinary contributions that examine the intersection of Human-AI Interaction, anthropomorphic design, and IRM principles. Topics may span system architecture, user cognition, organizational strategy, and policy frameworks, with a focus on how anthropomorphic AI agents mediate the lifecycle of information resources.

- Aesthetic and affective computing
- Analyse how anthropomorphic cues in AI systems influence student motivation, retention, and ethical concerns like bias and over-reliance.
- Social, Cultural, and Ethical Dimensions of Anthropomorphism
- Digital Anthropomorphism in Generative AI tutors
- Exploring the limitations of the Anthropomorphic Paradigm in LLMs
- Investigate emotional bonds formed with AI (e.g., chatbots, virtual influencers) and their impact on user behaviour, misinformation, and social isolation.
- Making AI more accessible to marginalized communities by creating mass personalized Anthropomorphic AI tools
- Studies on how perceived human-likeness and social behaviour in AI agents affect team dynamics, trust calibration, and decision-making.
- Impact and consequences of wearable technology on humans
- Studies on online persuasion and deception
- Psychological, social, and cultural aspects of human-computer and robot interactions
- Trust Calibration and Deception in Anthropomorphic AI

- Investigate how physical form (e.g., humanoid robots) influences user expectations, comfort, and interaction patterns.
- The role of gamification in human-technology interactions
- Human-in-the-loop and automated decision-making
- Anthropomorphism in Multimodal Interfaces
- Designing for Transparency vs. Relatability
- Study how anthropomorphic AI agents support or hinder decision-making in resource planning and distribution.
- Examine mechanisms for calibrating trust in anthropomorphic systems that manage sensitive or high-stakes information.
- Investigate how anthropomorphic cues and framing effects alter user interpretation and trust in retrieved data.
- Cognitive processes in human-AI communication.

### **Track Co-Chairs**

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