IACAP

International Association of Computing and Philosophy

Oregon 2024
Eugene

UNIVERSITY OF
OREGON

IACAP 2024 Program

Monday 8 July

9:30–10:00	**Registration**

10:00–11:10	**Covey Keynote**
	James Commons | Chair: Hajo Greif
	• Cultures of Prediction by Johannes Lenhard

11:10–11:40	**Coffee Break**

11:40–12:50	**Epistemology of ML**	**Ethics of AI**
	Room 140 | Chair: Björn Lundgren	Room 204 | Chair: Ahmed Amer
	• Informational Injustice and Epistemic Exclusions by Abbas Bagwala	• AI Ethics and Ordoliberalism 2.0: Towards A 'Digital Bill of Rights' by Manuel Woersdoerfer
	• ML Assistance, Epistemic Virtues, and Judicial Decision-Making by Syed AbuMusab, Alejandro D. Tamez	• Close Personal Relationships with AI Artifacts by Oluwaseun Sanwoolu

12:50–14:00	**Lunch**

14:00–15:10	**Philosophy and History of Computing**	**Societal Impact of AI, Computation, and Information**
	Room 140 | Chair: Björn Lundgren	Room 204 | Chair: Abbas Bagwala
	• Is Computability Enough? by Nico Formánek	• How to Address the Anthropomorphism Dilemma in Social AI systems: A Functionalist Approach by Syed AbuMusab
	• The Origin of Adaptation, Effective Procedures, and the Reality of Mechanism by Hajo Greif, Kristina Šekrst	• "It's Alive?" – The Logical and Ethical Problems of a Bad Question by Ahmed Amer

15:10–15:40	**Coffee & Posters**

15:40–16:50	**Epistemology of ML**	**Ethics of AI**
	Room 140 | Chair: Steve McKinlay	Room 204 | Chair: Arzu Formánek
	• Is the 'Calculator for Words' Metaphor Useful for Communicating about LLMs? by Brian Ballsun-Stanton, Ines Hipolito	• Generative AI, the Next Battlefield in the AI Wars by John Sullins, Robin Zebrowski
	• LLMs Can't Think by Russ Abbott	• Privacy as Obscurity: Big Data, Inferences, and Attention by Clint Hurshman

16:50–17:20	**Coffee Break**

17:20–18:30	**Epistemology of ML**
	Room 140 | Chair: Nico Formánek
	• Artificial Intelligence, Irrationality and Fallibilism by Steve T McKinlay
	• Should We Allocate Epistemic Trust to AI? by Ramon Alvarado

19:00	**Welcome Drinks at Max's Tavern**

Poster Sessions: On Monday and Tuesday we will have poster sessions with refreshments (15:10-15:40 both days). Please take the opportunity to check out the posters in James Commons. If you are presenting a poster, please enjoy your refreshments next to your poster so that people can engage with you and ask questions.
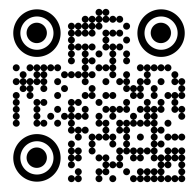
Tuesday 9 July

Time	Session
9:40–11:10	**Symposium: New Perspectives on Computer Simulation in the Age of AI** Room 140 | Chair: Ramón Alvarado • Novel Epistemological Considerations for AI-Infused Science by Eamon Duede • Computational Reliabilism in Computer Simulations and AI by Ramón Alvarado • Simulation Avoidance by Nico Formánek
11:10–11:40	**Coffee Break**

Time		
11:40–12:50	**SIG: Minds and Machines** Room 140 | Chair: Tom Powers • Pseudo-Rehearsal Learning: Navigating the Philosophical Nexus of Cognition and Memory Dynamics by Georgios Palamas • The Measure for Weak Emergence: Taking Data Compression Algorithms Philosophically Seriously by A. Theodore Izmaylov	**Ethics of AI** Room 204 | Chair: Björn Lundgren • Offloading Wisdom: 3 Technological Relations that Mediate Phronesis by Andrew Zelny • The Responsibility Gap in Explainable AI by Filippos Stamatiou
12:50–14:00	**Lunch**	
14:00–15:10	**Epistemology of ML** Room 140 | Chair: Hajo Greif • Navigating the Informativeness-Compression Trade-Off in Explainability by Ninell Oldenburg • A New Pathway: From Objectual to Explanatory Understanding with AlphaFold2 by Annika Schuster	**Societal Impact of AI, Computation, and Information** Room 204 | Chair: Ahmed Amer • A Definitional Framework of Autonomous Weapon Systems by Björn Lundgren • Should Meeting the Deep Dangers of Generative AI Fall Upon Academia or Industry? by Selmer & Alexander Bringsjord
15:10–15:40	**Coffee & Posters**	
15:40–16:50	**SIG: Minds and Machines** Room 140 | Chair: Tom Powers • Deontology in AI by Tom Powers • The Care and Feeding of Productive Uploads: A Color-Based Control Taxonomy for Emulated Intelligences by Jeremy A. Hansen	**Human Robot Interaction** Room 204 | Chair: Steve McKinlay • Robots and Resentment by Don Berkich • The Rewards and Risks of Replacing Human Neglect with Robot Care by Ahmed Amer, Maria Kyrarini
16:50–17:20	**Coffee Break**	

Time	Session
17:20–18:30	**Philosophical Implications of AI** Room 140 | Chair: Arzu Formánek • Perspicuity and Digital Depth by Robin K Hill • What Roles Shall Computers Play in the Moral Conversation? by Elizabeth O'Neill
19:00	**Conference Dinner at Agate Alley Bistro**

Wednesday 10 July

9:30–11:10	**Computational Modeling and Programming** Room 140 | Chair: Steve McKinlay • Phenomenology of Program Surveyability by Lucas Bang • Citation Distance Matters: Towards a New Metric for Evaluating Journal Impact by Kate Barnes • Co-Simulations of Brain Language Processing using Neural Language Models by Pietro Perconti
11:10–11:40	**Coffee Break**

11:40–12:50	**Cognitive Science, Computation, and Cognition** Room 140 | Chair: Ahmed Amer • Are Biointelligent Systems Intelligent? Theoretical Challenges to Technology and Philosophy of Intelligence by Arzu Formanek, Robert Miehe • LLMs and the Cognitive Architecture by Ron Sun	**Societal Impact of AI, Computation, and Information** Room 204 | Chair: Abbas Bagwala • An Analysis of the Ukraine/Russia War and Botnets: Ethical and Anticipated Ethical Issues by Richard Wilson • Relational Equality, Data Technology, and the Anatomy of Formats by Colin Koopman

12:50–14:00	**Lunch**
14:00–15:10	**Simon Award Keynote** James Commons | Chair: Ramón Alvarado • Radically Rethinking Computation by Corey J. Maley
15:10–15:20	**Break**
15:20–16:00	**Members Meeting (for all conference participants)** Room 204

Useful Information

Please chat with other attendees and IACAP members about this conference on the IACAP Slack Workspace: https://iacapconf.org/slack. This conference's Zenodo community will happily accept pre-prints for any papers resulting from this conference. Currently uploaded abstracts and pre-prints can be found at: https://zenodo.org/communities/iacap-2024/. For real-time updates of the program, see https://iacapconf.org/ or scan QR code to the right.

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Philosophy

UNIVERSITY OF OREGON
College of Arts and Sciences

UNIVERSITY OF OREGON
School of Computer and Data Sciences

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