

IACAP⁹

International Association of Computing and Philosophy

Oregon 2024 Eugene



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IACAP 2024 Program

Monday 8 July

9:30–10:00	Registration	
10:00–11:10	Covey Keynote James Commons Chair: Hajo Greif <ul style="list-style-type: none"> • Cultures of Prediction by Johannes Lenhard 	
11:10–11:40	Coffee Break	
11:40–12:50	Epistemology of ML Room 140 Chair: Björn Lundgren <ul style="list-style-type: none"> • Informational Injustice and Epistemic Exclusions by Abbas Bagwala • ML Assistance, Epistemic Virtues, and Judicial Decision-Making by Syed AbuMusab, Alejandro D. Tamez 	Ethics of AI Room 204 Chair: Ahmed Amer <ul style="list-style-type: none"> • AI Ethics and Ordoliberalism 2.0: Towards A ‘Digital Bill of Rights’ by Manuel Woersdoerfer • Close Personal Relationships with AI Artifacts by Oluwaseun Sanwoolu
12:50–14:00	Lunch	
14:00–15:10	Philosophy and History of Computing Room 140 Chair: Björn Lundgren <ul style="list-style-type: none"> • Is Computability Enough? by Nico Formánek • The Origin of Adaptation, Effective Procedures, and the Reality of Mechanism by Hajo Greif, Kristina Šekrst 	Societal Impact of AI, Computation, and Information Room 204 Chair: Abbas Bagwala <ul style="list-style-type: none"> • How to Address the Anthropomorphism Dilemma in Social AI systems: A Functionalist Approach by Syed AbuMusab • “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 Room 140 Chair: Steve McKinlay <ul style="list-style-type: none"> • Is the ‘Calculator for Words’ Metaphor Useful for Communicating about LLMs? by Brian Ballsun-Stanton, Ines Hipolito • LLMs Can’t Think by Russ Abbott 	Ethics of AI Room 204 Chair: Arzu Formánek <ul style="list-style-type: none"> • Generative AI, the Next Battlefield in the AI Wars by John Sullins, Robin Zebrowski • 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 <ul style="list-style-type: none"> • Artificial Intelligence, Irrationality and Fallibilism by Steve T McKinlay • Should We Allocate Epistemic Trust to AI? by Ramon Alvarado 	

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

9:40–11:10	Symposium: New Perspectives on Computer Simulation in the Age of AI Room 140 Chair: Ramón Alvarado <ul style="list-style-type: none"> • 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	
11:40–12:50	SIG: Minds and Machines Room 140 Chair: Tom Powers <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Offloading Wisdom: 3 Technological Relations that Mediate Phronesis by Andrew Zelnay • The Responsibility Gap in Explainable AI by Filippos Stamatou
12:50–14:00	Lunch	
14:00–15:10	Epistemology of ML Room 140 Chair: Hajo Greif <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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	
17:20–18:30	Philosophical Implications of AI Room 140 Chair: Arzu Formánek <ul style="list-style-type: none"> • Perspicuity and Digital Depth by Robin K Hill • What Roles Shall Computers Play in the Moral Conversation? by Elizabeth O'Neill 	

Wednesday 10 July

10:00–11:10	Computational Modelling Room 140 Chair: Steve McKinlay	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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
12:50–14:00	Lunch	
14:00–15:10	Simon Award Keynote James Commons Chair: Ramón Alvarado	
	<ul style="list-style-type: none">• 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 IACP members about this conference on the IACP 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/>

The 2024 IACP meeting is hosted by and with the generous funding from the University of Oregon's Department of Philosophy. The conference is co-organized with the help of a College of Arts and Sciences Program Grant and generous support from the newly formed School of Computer and Data Sciences.

