

# IACAP

International Association of Computing and Philosophy

## Oregon 2024

Eugene



# IACAP 2024 Program

## Monday 8 July

9:30–10:00	Registration		
10:00–11:10	<b>Covey Keynote</b> <a href="#">James Commons</a>   Chair: Hajo Greif <ul style="list-style-type: none"> <li>• Cultures of Prediction by Johannes Lenhard</li> </ul>		
11:10–11:40	Coffee Break		
11:40–12:50	<b>Epistemology of ML</b> <a href="#">Room 140</a>   Chair: Björn Lundgren <ul style="list-style-type: none"> <li>• Informational Injustice and Epistemic Exclusions by Abbas Bagwala</li> <li>• ML Assistance, Epistemic Virtues, and Judicial Decision-Making by Syed AbuMusab, Alejandro D. Tamez</li> </ul>	<b>Ethics of AI</b> <a href="#">Room 204</a>   Chair: Ahmed Amer <ul style="list-style-type: none"> <li>• AI Ethics and Ordoliberalism 2.0: Towards A 'Digital Bill of Rights' by Manuel Woersdoerfer</li> <li>• Close Personal Relationships with AI Artifacts by Oluwaseun Sanwoolu</li> </ul>	
12:50–14:00	Lunch		
14:00–15:10	<b>Philosophy and History of Computing</b> <a href="#">Room 140</a>   Chair: Björn Lundgren <ul style="list-style-type: none"> <li>• Is Computability Enough? by Nico Formánek</li> <li>• The Origin of Adaptation, Effective Procedures, and the Reality of Mechanism by Hajo Greif, Kristina Šekrst</li> </ul>	<b>Societal Impact of AI, Computation, and Information</b> <a href="#">Room 204</a>   Chair: Abbas Bagwala <ul style="list-style-type: none"> <li>• How to Address the Anthropomorphism Dilemma in Social AI systems: A Functional Approach by Syed AbuMusab</li> <li>• "It's Alive?" – The Logical and Ethical Problems of a Bad Question by Ahmed Amer</li> </ul>	
15:10–15:40	Coffee & Posters		
15:40–16:50	<b>Epistemology of ML</b> <a href="#">Room 140</a>   Chair: Steve McKinlay <ul style="list-style-type: none"> <li>• Is the 'Calculator for Words' Metaphor Useful for Communicating about LLMs? by Brian Ballsun-Stanton, Ines Hipolito</li> <li>• LLMs Can't Think by Russ Abbott</li> </ul>	<b>Ethics of AI</b> <a href="#">Room 204</a>   Chair: Arzu Formánek <ul style="list-style-type: none"> <li>• Generative AI, the Next Battlefield in the AI Wars by John Sullins, Robin Zebrowski</li> <li>• Privacy as Obscurity: Big Data, Inferences, and Attention by Clint Hurshman</li> </ul>	
16:50–17:20	Coffee Break		
17:20–18:30	<b>Epistemology of ML</b> <a href="#">Room 140</a>   Chair: Nico Formánek <ul style="list-style-type: none"> <li>• Artificial Intelligence, Irrationality and Fallibilism by Steve T McKinlay</li> <li>• Should We Allocate Epistemic Trust to AI? by Ramon Alvarado</li> </ul>		
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

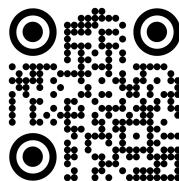
9:40–11:10	<b>Symposium: New Perspectives on Computer Simulation in the Age of AI</b> Room 140   Chair: Ramón Alvarado <ul style="list-style-type: none"> <li>• Novel Epistemological Considerations for AI-Infused Science by Eamon Duede</li> <li>• Computational Reliabilism in Computer Simulations and AI by Ramón Alvarado</li> <li>• Simulation Avoidance by Nico Formánek</li> </ul>	
11:10–11:40	<b>Coffee Break</b>	
11:40–12:50	<b>SIG: Minds and Machines</b> Room 140   Chair: Tom Powers <ul style="list-style-type: none"> <li>• Pseudo-Rehearsal Learning: Navigating the Philosophical Nexus of Cognition and Memory Dynamics by Georgios Palamas</li> <li>• The Measure for Weak Emergence: Taking Data Compression Algorithms Philosophically Seriously by A. Theodore Izmaylov</li> </ul>	<b>Ethics of AI</b> Room 204   Chair: Björn Lundgren <ul style="list-style-type: none"> <li>• Offloading Wisdom: 3 Technological Relations that Mediate Phronesis by Andrew Zelnay</li> <li>• The Responsibility Gap in Explainable AI by Filippos Stamatou</li> </ul>
12:50–14:00	<b>Lunch</b>	
14:00–15:10	<b>Epistemology of ML</b> Room 140   Chair: Hajo Greif <ul style="list-style-type: none"> <li>• Navigating the Informativeness-Compression Trade-Off in Explainability by Ninell Oldenburg</li> <li>• A New Pathway: From Objectual to Explanatory Understanding with AlphaFold2 by Annika Schuster</li> </ul>	<b>Societal Impact of AI, Computation, and Information</b> Room 204   Chair: Ahmed Amer <ul style="list-style-type: none"> <li>• A Definitional Framework of Autonomous Weapon Systems by Björn Lundgren</li> <li>• Should Meeting the Deep Dangers of Generative AI Fall Upon Academia or Industry? by Selmer &amp; Alexander Bringsjord</li> </ul>
15:10–15:40	<b>Coffee &amp; Posters</b>	
15:40–16:50	<b>SIG: Minds and Machines</b> Room 140   Chair: Tom Powers <ul style="list-style-type: none"> <li>• Deontology in AI by Tom Powers</li> <li>• The Care and Feeding of Productive Uploads: A Color-Based Control Taxonomy for Emulated Intelligences by Jeremy A. Hansen</li> </ul>	<b>Human Robot Interaction</b> Room 204   Chair: Steve McKinlay <ul style="list-style-type: none"> <li>• Robots and Resentment by Don Berkich</li> <li>• The Rewards and Risks of Replacing Human Neglect with Robot Care by Ahmed Amer, Maria Kyrarini, Fatemeh Davoudi, Aleksandar Zecevic</li> </ul>
16:50–17:20	<b>Coffee Break</b>	
17:20–18:30	<b>Philosophical Implications of AI</b> Room 140   Chair: Arzu Formánek <ul style="list-style-type: none"> <li>• Perspicuity and Digital Depth by Robin K Hill</li> <li>• What Roles Shall Computers Play in the Moral Conversation? by Elizabeth O'Neill</li> </ul>	
19:00	<b>Conference Dinner at Agate Alley Bistro</b>	

## Wednesday 10 July

9:30–11:10	<b>Computational Modeling and Programming</b> Room 140   Chair: Steve McKinlay <ul style="list-style-type: none"><li>• Phenomenology of Program Surveyability by Lucas Bang</li><li>• Citation Distance Matters: Towards a New Metric for Evaluating Journal Impact by Kate Barnes</li><li>• Co-Simulations of Brain Language Processing using Neural Language Models by Pietro Perconti</li></ul>	
11:10–11:40	<b>Coffee Break</b>	
11:40–12:50	<b>Cognitive Science, Computation, and Cognition</b> Room 140   Chair: Ahmed Amer <ul style="list-style-type: none"><li>• Are Biointelligent Systems Intelligent? Theoretical Challenges to Technology and Philosophy of Intelligence by Arzu Formanek, Robert Miehe</li><li>• LLMs and the Cognitive Architecture by Ron Sun</li></ul>	<b>Societal Impact of AI, Computation, and Information</b> Room 204   Chair: Abbas Bagwala <ul style="list-style-type: none"><li>• An Analysis of the Ukraine/Russia War and Botnets: Ethical and Anticipated Ethical Issues by Richard Wilson</li><li>• Relational Equality, Data Technology, and the Anatomy of Formats by Colin Koopman</li></ul>
12:50–14:00	<b>Lunch</b>	
14:00–15:10	<b>Simon Award Keynote</b> James Commons   Chair: Ramón Alvarado <ul style="list-style-type: none"><li>• Radically Rethinking Computation by Corey J. Maley</li></ul>	
15:10–15:20	<b>Break</b>	
15:20–16:00	<b>Members Meeting (for all conference participants)</b> 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/>. For real-time updates of the program, see <https://iacapconf.org/> or scan QR code to the right.



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.

