

| Tuesday 1 July | Outline              | Track 1<br>IACAP   | Track 2<br>IACAP  | Track 3<br>IACAP  | Track 4<br>Symposium  | Track 5<br>Symposium   |
|----------------|----------------------|--|---|---|---|--|
| Rooms          |                      | RA1501 - 93  | RA2501 - 87   | RA2503 - 51   | Learn-X - 54*   | Inspire - 54*  |
| 9:00-9:30      | Coffee               |  |   |   |   |  |
| 9:30-10:30     | Plenary              | AISB Keynote: Philip Brey  | Relational Intelligence and Human–AI Relationships: Foundations, Technologies, and Ethical Dimensions |   |   |  |
| 10:30-11:00    | Coffee               |  |   |   |   |  |
| 11:00-13:00    | Session 1<br>4 Talks | Philosophy and History of Computing                                    | Artificial Intelligence and Machine Learning  | Ethics of AI and Computing  | Generative Companionship in the Digital Age-<br>Session 1<br>(Normative Concerns in the Employment of GenAIs)                             | Bridging Justice and Meaningful Human Control in Medical AI  |
|                | 11:00                | Epistemic Type Mismatch<br>-Yves Bouchard                              | Could AI Assuage Loneliness? And if so, which kind?<br>-Ramon Alvarado                                | Recommendation Algorithms and Human Freedom, the Technology and Ethics<br>-James Brusseau | Introduction to Companion GenAI (Robert Clowes and Kesavan Thanagopal)  | 11:00-11:05: Welcome<br>11:05-11:30 Giorgia Pozzi & Filippo Santoni de Sio<br>Epistemic justice through meaningful human control in medical AI |
|                | 11:30                | Universal computable prediction and inductive bias<br>-Tom Sterkenburg | Axe the X in XAI: A Plea for Understandable AI<br>-Andrés Páez  | Wisdom in the Age of Intelligent Machines<br>-Edward H. Spence                            | Heart Drives or Hard Drives? On What Makes Human-AI Relationships Morally Problematic [Truncated Title: What Makes Human-AI Relationships | Sanaa Abrahams & Giulio Mecacci<br>Epistemic Justice in Healthcare: Enhancing Meaningful Human Control through Responsibility Distribution     |

13:00-14:00  
14:00-15:30

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|                      |  |  |   | Morally Problematic?]<br>(Kesavan Thanagopal)   |   |
| 12:00                | What is a Knowledge Graph?<br>-Georgios Tsagdis                            | Can an LLM Apprehend Meaning?<br>-Daniel Hardt   | On the moral boundaries of AI ethics principlism<br>-Alice Rangel Teixeira              | LLMs, Sycophancy, and Self-Deception (Eric Funkhouser)  | Keynote by Lily Frank<br>Automating Reproduction: AI, Risk Prediction, and the New Politics of Control in Reproductive and Fertility Medicine |
| 12:30                | Knowledge graphs, synthetic data<br>-Tom Powers                            | Forgotten-by-design: a human-centric paradigm of forgetting in AI<br>-Laurynas Adomaitis, Anass Sedrati, Olof Görnerup, Rickard Braennvall | Kantian Deontology for AI: Alignment Without Moral Agency<br>-Oluwaseun Sanwoolu        | Can We Trust AI Companions? An Inquiry into Human-AI Companionship [Truncated Title: Can We Trust AI Companions?]<br>(Marianna B. Ganapini) | Panel discussion among speakers   |
| Lunch                |  |  |   |   |   |
| Session 2<br>3 Talks | Embodied, Ecological, and Distributed Cognition                            | Artificial Intelligence and Machine Learning   | Societal Implications of AI and Computing   | Generative Companionship in the Digital Age-<br>Session 2<br>(Developing, Deploying, and Deepening Relationships with Digital Companions)   | Bridging Justice and Meaningful Human Control in Medical AI   |
| 14:00                | Explaining Mental Disorders: Enactivist Sense-Making versus Miscomputation | Expert Testimony and Deep Neural Network<br>-De Yang   | It Is Not a Camera! Radio Sensing Holography as a Disruptive Technology<br>-Ciano Aydin | How Human-AI Relationships Reshape Our Understanding of Interpersonal   | Eliana Bergamin & Angeliki Kerasidou<br>When AI ignores emotions: contributory  |

15:30-16:00  
16:00-17:30

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|                      | -Nir Fresco, Dominic Murphy   |  |  | Relationships [Truncated Title: Rethinking Relationships Through AI] (Yan Zhuang and Shuting Yin)  | injustice and epistemic calcification in healthcare         |
| 14:30                | From Dilemmas to Innovation: Distributed Moral Reasoning for R&D Teams<br>-Marco Innocenti    | Meta+phenomenology I: A Taxonomy of Learning Experiences<br>-Michael Winter          | Weathering the STORM: SocioTechnical Operation Risk Management<br>-John Sullins  | Social Needs, Anthropomorphism, and Reorienting Digital AI Companions to Stimulate Prosocial Human-Human Interaction [Truncated Title: Reorienting AI Companions to Stimulate Prosocial Human-Human Interaction] (Rose E. Guingrich) | Keynote by Patrik Hummel: How can accurate data be unjust?  |
| 15:00                | Mind Reading Machines? Conceptual Muddles behind some neurorights concerns<br>-Stephen Rainey | Reliability of Deep Learning Simulations for Photovoltaic Systems<br>-Lucia Guerrisi | Assisted autonomy? Wellbeing and the importance of the sensorium in the ethical analysis of wearable exoskeletons for activities of daily living<br>-Aline Franzke | The Ethics of Digital Duplicates: A Case Study [Truncated Title: The Ethics of Digital Duplicates] (Atay Kozlovski and Mykola Makhortykh)  | Panel discussion among speakers                             |
|                      | Coffee  |  |  |  |   |
| Session 3<br>3 talks | Workshop: Philosophy of Computing Book Club<br>-Nico Formanek et al.                          | Artificial Intelligence and Machine Learning   | Consciousness, Emotions, and Affective Computing   | Generative Companionship in the Digital Age-Session 3 (On the Issue of Authenticity in   | Bridging Justice and Meaningful Human Control in Medical AI |

|         |                    |  |  | Human-AI Relationships)   |  |
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| 16:00   | Workshop continues | The significance of vulnerability for being trustworthy about AI<br>-Giacomo Figà-Talamanca, Dr. Niël Conradie | No Hard Feelings?: A Philosophical Analysis of the Social Value of Expressions of Emotions<br>-Alexandra Prégent | Love and Tools (Ariela Tubert and Justin Tiehen)  | Jacqueline Kernahan and Atay Kozlovski<br>Designing for Meaningful Human Control Over LLM Tools in Healthcare - A Case Study |
| 16:30   | Workshop continues | AI art: aesthetics (and ethics) in a digital age<br>-YJ Erden  | Consciousness in the creative process and the problem for AI<br>-Joachim Nicolodi                                | ‘Real Enough’? Negotiating the Meaning of Authenticity in Human-AI Relationships<br>[Truncated Title: Negotiating Authenticity in Human-AI Relations]<br>(Adrienne de Ruiter) | Gabriele Nanino<br>I’ll answer you to death: LLMs’ epistemic recklessness in the medical sector                              |
| 17:00   | Workshop continues |  | Representational markers of consciousness<br>-Peter Fazekas  | tbd   | Panel discussion among speakers  |
| Closing |                    |  |  |   |  |

17:30-18:00

| Tuesday 2 July | Outline              | Track 1<br>IACAP   | Track 2<br>IACAP   | Track 3<br>Symposium  | Track 4<br>Symposium  | Track 5<br>Symposium  | Track 6<br>Symposium  |
|----------------|----------------------|--|--|-----------------------|---|---|---|
| Rooms          |                      | RA1501 - 93  | RA2501 - 87  | RA2502 - 72           | RA2504 - 72   | Learn-X - 54*   | Inspire - 54*   |
| 9:00-9:30      | Coffee               |  |  |                       |   |   |   |
| 9:30-10:30     | Plenary              | IACAP Simon Award:<br>Emily Sullivan   |  |                       |   |   |   |
| 10:30-11:00    | Coffee               |  |  |                       |   |   |   |
| 11:00-13:00    | Session 1<br>4 Talks | Computing and Scientific Inquiry   | Ethics of AI and Computing   | Reimagining AI Agents | Advancing debates on the epistemology of medical AI   | Moral and Legal AI Alignment  | AI and animals: Ethical impacts of AI technologies on non-humans  |
|                | 11:00                | Reproducing Simulations<br>-Nico Formanek  | AI and High Risk contexts:<br>Distinguishing Standards for Decisionmaking<br>-Rooke Christy              |                       | Emanuele Ratti<br>Juan Durán:<br>Revisiting the limits of computational reliabilism                               | Andy Williams<br>Computational Meta-Epistemology and the Necessity of Decentralized Collective Intelligence for AI Alignment  | Mark Ryan, Bernice Bovenkerk, and Leonie Bossert<br>An Introduction to the Ethics of Artificial Intelligence and Animals        |
|                | 11:30                | How can we trust an XAI explanation? Three robustness criteria for trustworthy XAI methods<br>-Annika Schuster, Florian Boge | Autonomous and AI-Enabled Systems: Extensions or Replacements of Human Will and Control?<br>-Nathan Wood |                       | 11:40-12:10<br>Emma-Jane Spencer<br>Artificial Ignorance: Why AI's Tacit Knowledge isn't Epistemically Legitimate | Michael Färber and Birte Platow<br>Beyond Technocratic Control: Cultivating Human Maturity and Responsibility in AI Alignment | Philip Nickel<br>Ethical Aspects of Non-animal Models for Therapy Delivery Across the Blood-brain Barrier: the NAP4DIVE Project |
|                | 12:00                | The benchmarking epistemology: What inferences can scientists draw from competitive comparisons of prediction models?        | Ed-tech, role responsibilities and teachers' moral entanglement<br>-Fabio Tollon                         |                       | 12:20-12:50<br>Chirag Arora<br>Epistemic Trustworthiness and Data-Driven Healthcare                               | Luca Rivelli<br>The Ethical No-Free-Lunch Principle: Fundamental Limits to Purely Data-Driven AI                              | Mika Rosenberg, Lilli-Chiara Kurth, Alessandro Mac-Nelly and Max Baraitser Smith, Artificial Ants and                           |

13:00-14:00  
14:00-15:30

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|                      | -Timo Freiesleben,<br>Sebastian Zezulka  |  |                          | Research<br>Expertise   | Ethics  | Ethical<br>Entanglements:<br>Rethinking AI's<br>Role in<br>Non-Human<br>Research   |
| 12:30                | Why AI is not going<br>to take<br>mathematicians'<br>jobs (or on the<br>complexity of<br>mathematicians'<br>jobs)<br>-Nancy Abigail<br>Nuñez Hernández | On the moral status<br>of present-day<br>robotic and AI<br>systems<br>-Björn Lundgren,<br>Olof Leffler   |                          |   | Dorothea Kolossa<br>and Sabine<br>Ammon<br>AI value<br>alignment in<br>human machine<br>interaction using<br>LLM chatbots:<br>technical,<br>epistemic and<br>ethical challenges<br>of diversity | Paulan Korenhof<br>and Mark Ryan<br>Something Looks<br>Fishy! An<br>Exploration of the<br>Social and Ethical<br>Implications of<br>Fishial<br>Recognition<br>Systems |
| Lunch                |  |  |                          |   |   |  |
| Session 2<br>3 Talks | Computing and<br>Intelligence  | Societal<br>Implications of AI<br>and Computing  | Reimagining AI<br>Agents | Advancing<br>debates on the<br>epistemology of<br>medical AI                        | Moral and Legal<br>AI Alignment   | AI and animals:<br>Ethical impacts of<br>AI technologies<br>on non-humans  |
| 14:00                | What is<br>Intelligence?<br>-Arzu Formanek   | Does trust in AI<br>necessarily imply<br>the loss of control?<br>Why trust and<br>control can—and<br>should—go hand in<br>hand<br>-Jojanneke Drogt |                          | Stefan Buijsman<br>Preserving<br>Human<br>Autonomy in<br>Medical AI<br>Interactions | Parris Haynes and<br>Phillip<br>Honenberger<br>Pluralism in AI<br>Value Alignment:<br>Motivations and<br>Methods  | Mariska<br>Bosschaert-Bakhu<br>izen<br>Animal welfare in<br>the world of<br>digitalization:<br>Computer Vision<br>in the context of<br>meta-physical<br>structures   |
| 14:30                | From Active Matter<br>to Complex<br>Intelligent Systems:   | LLMs and<br>Testimonial<br>Injustice   |                          | 14:40-15:10<br>Thomas Grote<br>Machine Learning                                     | Simon Münker<br>Cultural Bias in<br>Large Language  | Friderike Spang<br>AI, Democratic<br>Innovations, and  |

15:30-16:00  
16:00-17:30

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|                      | An Agent-Based Framework<br>-Gordana Dodig-Crnkovic  | -William Gopal   |                       | and Evidence Based Medicine: A Complicated Liaison            | Models: Evaluating AI Agents through Moral Questionnaires  | the Representation of Non-Human Animals<br>Short title: AI and Animal-Inclusive Democracy                        |
| 15:00                | From Simulating Towards Duplicating the Brain - The Case of Neuromorphic AI<br>-Johannes Brinz                                   | Emerging sociotechnical imaginaries in the ethics of QT: Lessons for Quantum Technology from Artificial Intelligence<br>-Sybolt Doorn, Lavinia Marin |                       |   | Bertram Lomfeld Towards a Discursive Normative Grammar for Language Models                           | Catia Faria AI-Driven Environmental Enhancement and Wild Animal Autonomy   |
| Coffee               |  |  |                       |   |  |  |
| Session 3<br>3 talks | Embodied, Ecological, and Distributed Cognition  | Artificial Intelligence and Machine Learning   | Reimagining AI Agents | Advancing debates on the epistemology of medical AI           | Moral and Legal AI Alignment   | AI and animals: Ethical impacts of AI technologies on non-humans   |
| 16:00                | From the Good Regulator to Higher-level Cognition: Grounded Mental Representations in Predictive Processing<br>-Jannis Friedrich | On the Normativity of the Concept of Believability in Generative Agents<br>-Sven Thomas, Leonie Möck   |                       | Giorgia Pozzi "TBA"   | Daniel Hromada – Moral Ordinals, Axiometry and Alignment of Values in Small Instruct Language Models | Mona Giersberg and Franck Meijboom<br>It's Hard Enough Without AI: The Value of Diagnosis in Veterinary Practice |
| 16:30                | Neuro-Symbolic AI, Reason, and Content: Connecting the   | Large Language Models in Large Language Games<br>-Chris Cousens  |                       | 16:30-17:30 Panel (Q&A from audience): Ratti, Durán, Spencer, | 16:30-17:30 Workshop Value-driven Alignment of   | Bernice Bovenkerk and Dominic Lenzi<br>The Synergy   |

17:30-18:00

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|         | Nonconceptual and<br>the Conceptual<br>-Jacob Rump  |  | Arora, Buijsman,<br>Grote, Pozzi   | Language<br>Modules  | between AI and<br>Biotechnology for<br>Conservation: an<br>Epistemic Justice<br>Problem   |
| 17:00   | The shared<br>cybernetic roots of<br>computationalism<br>and enactivism<br>-Henrique Mendes | Commonsense<br>Reasoning in<br>Artificial<br>Intelligence:<br>Challenges and<br>Evaluation of Large<br>Language Models<br>-Zeynep Kabadere | 16:30-17:30<br>Panel (Q&A from<br>audience): Ratti,<br>Durán, Spencer,<br>Arora, Buijsman,<br>Grote, Pozzi | 16:30-17:30<br>Workshop<br>Value-driven<br>Alignment of<br>Language<br>Modules | Christoph Krüger<br>and Sam<br>Tucker-Davis<br>Unlearning<br>Human Bias:<br>Teaching<br>Language Models<br>to Think Beyond<br>Species |
| Closing |   |  |  |  |   |



| Tuesday 3 July | Outline              | Track 1<br>IACAP   | Track 2<br>IACAP   | Track 3<br>IACAP | Track 4<br>Symposium  | Track 5<br>Symposium  | Track 6<br>Symposium  |
|----------------|----------------------|--|--|------------------|---|---|---|
| Rooms          |                      | RA1501 - 93  | RA2501 - 87  | RA2502 - 72      | RA2504 - 72   | RA2334 - 80   | RA4336 - 40   |
| 9:00-9:30      | Coffee               |  |  |                  |   |   |   |
| 9:30-10:30     | Plenary              | IACAP Covey Award:<br>Vincent Müller   |  |                  |   |   |   |
| 10:30-11:00    | Coffee               |  |  |                  |   |   |   |
| 11:00-13:00    | Session 1<br>4 Talks | Computing and Scientific Inquiry   | Artificial Intelligence and Machine Learning   |                  | Teaching With and About AI: Engagement Philosophy and Case Studies  | The epistemic risks of AI integration                                     | The values and disruptive capacities of AI Systems              |
|                | 11:00                | Deep-learning Models and Scientific Understanding through Explanations and Descriptions<br>-Giovanni Galli | The Non-Bias Myth. A Popular Belief in AI and Machine Learning<br>-Johannes Lenhard, Matthias Brandl |                  | Workshop: Teaching With and About AI, Case Studies from 2024<br>-Brian Ballsun-Stanton and Max Aeon Parks | Sascha Fink: Varieties of Epistemic Risks in Emerging Technologies        | Max Hellrigel-Holderbaum Misalignment or misuse? A tradeoff     |
|                | 11:30                | Deep Neural Networks as Vehicles for Scientific Understanding<br>-Frauke Stoll                             | Ideals of Transparency in Artificial Intelligence and Philosophy<br>-Hajo Greif                      |                  | Workshop continues  | Hadeel Naeem: AI and the heterogeneity of pain                            | Eleonora Catena AI outsourcing and the value of autonomy        |
|                | 12:00                | Knowledge and Truth in Machine Learning<br>-Ioannis Votsis   | Beyond Representation: A Philosophy for Understanding Large Language Models<br>-Steve T McKinlay     |                  | Workshop continues  | Ian Robertson: The Limitation Game: Anthropomorphising and "AI testimony" | Ibifuro R. Jaja AI Value Alignment: From Rights to Capabilities |
|                | 12:30                | Machine Learning in Science:   | A Transformer Says 'Slab'  |                  | Workshop continues  | Deb Marber: Artificial Vices  | Vincent C. Müller TBA   |

13:00-14:00

14:00-15:30

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|                      | Approximation over Idealization - Luis G. Lopez | -Fabian Pregel  |  |   |
| Lunch                |   |   |  |   |
| Session 2<br>3 Talks | Workshop:<br>Early Career Publishing            | Robotics, Autonomous Systems, and Human-Machine Interaction                                       | Teaching With and About AI: Engagement Philosophy and Case Studies   | Generative Companionship in the Digital Age- Session 4 (AI Companions and User’s Mental Health)   |
| 14:00                | Workshop continues                              | Robots and Resentment<br>-Don Berkich   | Interactive workshop: Writing and Research with (and about) AI: using Claude and OpenAI’s LLMs to scaffold and edit papers<br>-Brian Ballsun-Stanton | Rita Lobo<br>Possibilities and Limits of a Virtual Therapist  |
| 14:30                | Workshop continues                              | Hell is Other Robots: Participatory Sense-Making and GenAI<br>-Robin Zebrowski                    | Workshop continues   | The Digital Other: Exploring Human Technology Relations in AI Therapy [Truncated Title: The Digital Other in AI Therapy] (Pii Telakivi)                                       |
| 15:00                | Workshop continues                              | Care Ex Machina: A computational approach to robotic care ethics with LLMs<br>-Aníbal M. Astobiza | Workshop continues   | Mental Health Chatbots and Digital Companionship: Addressing Anthropomorphism and Proposing an Ethical Framework for Responsible Development and Deployment [Truncated Title: |

Anthropomorphization  
of Mental  
Health Chatbots]  
(Thomas Leis)

15:30-16:00

Coffee

16:00-17:30

Plenary

IACAP and AISB  
Members  
Meetings

Closing plenary  
by Tom Powers  
U.S. Academic  
Research: A  
History and Status  
Report

17:30-18:00

Closing