

# IACAP/AISB 2025 Schedule

Version of 16.06.2025

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

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

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|                      |   |  |   |   | Responsibility Distribution   |
| 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? (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- Session 2 (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<br>-Nir Fresco, Dominic Murphy | Expert Testimony and Deep Neural Network<br>-De Yang   | It Is Not a Camera! Radio Sensing Holography as a Disruptive Technology<br>-Ciano Aydin | Rethinking Relationships Through AI (Yan Zhuang and Shuting Yin)  | Eliana Bergamin & Angeliki Kerasidou<br>When AI ignores emotions: contributory injustice and epistemic calcification in                       |

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

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|                              |   |  |  |  | healthcare   |
| <b>14:30</b>                 | 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  | Reorienting AI Companions to Stimulate Prosocial Human-Human Interaction<br>(Rose E. Guingrich)  | Keynote by Patrik Hummel: How can accurate data be unjust?   |
| <b>15:00</b>                 | 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<br>(Atay Kozlovski and Mykola Makhortykh)   | Panel discussion among speakers  |
| <b>Coffee</b>                |   |  |  |  |  |
| <b>Session 3<br/>3 talks</b> | <b>Workshop:<br/>Philosophy of<br/>Computing Book Club</b>                                    | <b>Artificial Intelligence<br/>and Machine Learning</b>  | <b>Consciousness,<br/>Emotions, and<br/>Affective Computing</b>  | <b>Generative<br/>Companionship in<br/>the Digital Age-<br/>Session 3 (On the<br/>Issue of<br/>Authenticity in<br/>Human-AI<br/>Relationships)</b> | <b>Bridging Justice and<br/>Meaningful Human<br/>Control in Medical<br/>AI</b>   |
| <b>16:00</b>                 | Workshop:<br>Philosophy of<br>Computing Book Club<br>-Nico Formanek et al.                    | 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 Prigent   | Love and Tools<br>(Ariela Tubert and Justin Tiehen)  | Jacqueline Kernahan and Atay Kozlovski<br>Designing for Meaningful Human Control Over LLM Tools in Healthcare - A Case Study |

17:30-18:00

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| 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 | 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 |                    |   |   |  |   |

| Wednesday<br>2 July | Outline              | Track 1<br>Individual Talks  | Track 2<br>Individual Talks   | 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              | <b>IACAP Simon Award Keynote by Emily Sullivan</b><br>Machine Learning in Science: Dimensions of Understanding                                 |   |                          |   |   |  |
| 10:30-11:00         | Coffee               |  |   |                          |   |   |  |
| 11:00-13:00         | Session 1<br>4 Talks | Computing and<br>Scientific Inquiry  | Ethics of AI and<br>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  |
|                     | 11:00                | Reproducing<br>Simulations<br>-Nico Formanek   | AI and High Risk<br>contexts:<br>Distinguishing<br>Standards for<br>Decisionmaking<br>-Rooke Christy                    | TBD                      | Emanuele Ratti<br>Juan Durán:<br>Revisiting the<br>limits of<br>computational<br>reliabilism  | Andy Williams<br>Computational<br>Meta-Epistemology and the<br>Necessity of<br>Decentralized<br>Collective<br>Intelligence for AI<br>Alignment        | Mark Ryan,<br>Bernice<br>Bovenkerk, and<br>Leonie Bossert<br>An Introduction<br>to the Ethics of<br>Artificial<br>Intelligence and<br>Animals        |
|                     | 11:30                | How can we trust<br>an XAI explanation?<br>Three robustness<br>criteria for<br>trustworthy XAI<br>methods<br>-Annika Schuster,<br>Florian Boge | Autonomous and<br>AI-Enabled<br>Systems: Extensions<br>or Replacements of<br>Human Will and<br>Control?<br>-Nathan Wood | TBD                      | 11:40-12:10<br>Emma-Jane<br>Spencer<br>Artificial<br>Ignorance: Why<br>AI's Tacit<br>Knowledge isn't<br>Epistemically<br>Legitimate | Michael Färber<br>and Birte Platow<br>Beyond<br>Technocratic<br>Control:<br>Cultivating<br>Human Maturity<br>and<br>Responsibility in<br>AI Alignment | Philip Nickel<br>Ethical Aspects of<br>Non-animal<br>Models for<br>Therapy Delivery<br>Across the<br>Blood-brain<br>Barrier: the<br>NAP4DIVE Project |
|                     | 12:00                | The benchmarking<br>epistemology:<br>What inferences<br>can scientists draw<br>from competitive  | Ed-tech, role<br>responsibilities and<br>teachers' moral<br>entanglement<br>-Fabio Tollon,<br>Michał Wieczorek          | TBD                      | 12:20-12:50<br>Chirag Arora<br>Epistemic<br>Trustworthiness<br>and Data-Driven<br>Healthcare  | Luca Rivelli<br>The Ethical<br>No-Free-Lunch<br>Principle:<br>Fundamental<br>Limits to Purely   | Mika Rosenberg,<br>Lilli-Chiara Kurth,<br>Alessandro<br>Mac-Nelly and<br>Max Baraitser<br>Smith,   |

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

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|                      | comparisons of prediction models?<br>-Timo Freiesleben,<br>Sebastian Zezulka  |   |                       | Research Expertise  | Data-Driven AI Ethics   | Artificial Ants and Ethical Entanglements: Rethinking AI's Role in Non-Human Research  |
| 12:30                | Why AI is not going to take mathematicians' jobs (or on the complexity of mathematicians' jobs)<br>-Nancy Abigail Nuñez Hernández | On the moral status of present-day robotic and AI systems<br>-Björn Lundgren, Olof Leffler  | TBD                   |   | Dorothea Kolossa and Sabine Ammon<br>AI value alignment in human machine interaction using LLM chatbots: technical, epistemic and ethical challenges of diversity | Paulan Korenhof and Mark Ryan<br>Something Looks Fishy! An Exploration of the Social and Ethical Implications of Fishial Recognition Systems |
| Lunch                |   |   |                       |   |   |  |
| Session 2<br>3 Talks | Computing and Intelligence  | Societal Implications 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   |
| 14:00                | What is Intelligence?<br>-Arzu Formanek   | Does trust in AI necessarily imply the loss of control? Why trust and control can—and should—go hand in hand<br>-Jojanneke Drogts | TBD                   | Stefan Buijsman<br>Preserving Human Autonomy in Medical AI Interactions | Parris Haynes and Phillip Honenberger<br>Pluralism in AI Value Alignment: Motivations and Methods   | Mariska Bosschaert-Bakhuizen<br>Animal welfare in the world of digitalization: Computer Vision in the context of meta-physical structures    |

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

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| 14:30                | From Active Matter to Complex Intelligent Systems: An Agent-Based Framework<br>-Gordana Dodig-Crnkovic | LLMs and Testimonial Injustice<br>-William Gopal   | TBD                   | 14:40-15:10<br>Thomas Grote<br>Machine Learning and Evidence Based Medicine: A Complicated Liaison | Simon Mürker<br>Cultural Bias in Large Language Models: Evaluating AI Agents through Moral Questionnaires | Friderike Spang<br>AI, Democratic Innovations, and 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 | TBD                   |  | Bertram Lomfeld<br>Towards a Discursive Normative Grammar for Language Models                             | Catia Faria<br>AI-Driven Environmental Enhancement and Wild Animal Autonomy  |
| Coffee               |  |  |                       |  |   |  |
| Session 3<br>3 talks | Embodied, Ecological, and Distributed Cognition  | Workshop: Early Career Publishing  | 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                | Neuro-Symbolic AI, Reason, and Content: Connecting the Nonconceptual and the Conceptual<br>-Jacob Rump | Workshop: Early Career Publishing<br>-Springer   | TBD                   | Giorgia Pozzi<br>"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                             |

17:30-18:00

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| 16:30   | The shared cybernetic roots of computationalism and enactivism<br>-Henrique Mendes | Workshop continues | TBD | 16:30-17:30<br>Panel (Q&A from audience): Ratti, Durán, Spencer, Arora, Buijsman, Grote, Pozzi | 16:30-17:30<br>Workshop<br>Value-driven Alignment of Language Modules | Bernice Bovenkerk and Dominic Lenzi<br>The Synergy between AI and Biotechnology for Conservation: an Epistemic Justice Problem |
| 17:00   |  | Workshop continues | TBD | 16:30-17:30<br>Panel (Q&A from audience): Ratti, Durán, Spencer, Arora, Buijsman, Grote, Pozzi | 16:30-17:30<br>Workshop<br>Value-driven Alignment of Language Modules | Christoph Krüger and Sam Tucker-Davis<br>Unlearning Human Bias: Teaching Language Models to Think Beyond Species               |
| Closing |  |                    |     |  |   |  |

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

13:00-14:00

14:00-15:30

15:30-16:00

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|                              | Approximation over Idealization - Luis G. Lopez  | -Fabian Pregel  |  |  |
| <b>Lunch</b>                 |  |   |  |  |
| <b>Session 2<br/>3 Talks</b> | <b>Artificial Intelligence and Machine Learning</b>  | <b>Robotics, Autonomous Systems, and Human-Machine Interaction</b>                                | <b>Teaching With and About AI: Engagement Philosophy and Case Studies</b>  | <b>Generative Companionship in the Digital Age- Session 4 (AI Companions and User's Mental Health)</b> |
| <b>14:00</b>                 | On the Normativity of the Concept of Believability in Generative Agents<br>-Sven Thomas, Leonie Möck                     | 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   |
| <b>14:30</b>                 | Commonsense Reasoning in Artificial Intelligence: Challenges and Evaluation of Large Language Models<br>-Zeynep Kabadere | Hell is Other Robots: Participatory Sense-Making and GenAI<br>-Robin Zebrowski                    | Workshop continues   | The Digital Other in AI Therapy (Pii Telakivi)   |
| <b>15:00</b>                 |  | Care Ex Machina: A computational approach to robotic care ethics with LLMs<br>-Aníbal M. Astobiza | Workshop continues   | Anthropomorphization of Mental Health Chatbots (Thomas Leis)   |
| <b>Coffee</b>                |  |   |  |  |

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| <b>16:00-16:30</b> | <b>Plenary</b> | <b>IACAP and AISB Members Meetings</b>  |
| <b>16:30-17:30</b> |                | <b>Closing plenary by Tom Powers</b><br>U.S. Academic Research: A History and Status Report |
| <b>17:30-18:00</b> | <b>Closing</b> |   |