# The International Association for Computing and Philosophy

2018 Annual Meeting
*June 21-23*
Staszic Palace, Warsaw
Courtesy of the Institute of Philosophy and Sociology of the Polish Academy of Sciences

## Program Schedule

<table>
<tr><td></td><td colspan="4" align="center"><strong>Thursday, June 21<sup>st</sup></strong></td></tr>
<tr><td>8:00-10:00</td><td colspan="4" align="center">Registration</td></tr>
<tr><td></td><td colspan="2" align="center">Session A</td><td colspan="2" align="center">Session B</td></tr>
<tr><td>8:30-9:00</td><td></td><td><strong>Brandt van der Gaast</strong> (University of Twente) <em>Defining 'digital'</em></td><td></td><td><strong>Pak-Hang Wong</strong> (University of Hamburg) <em>Algorithms and End User's Responsibility</em></td></tr>
<tr><td>9:00-9:30</td><td></td><td><strong>Joe Dewhurst</strong> (The University of Edinburgh) <em>Computing Mechanisms Without Proper Functions</em></td><td></td><td><strong>Steve McKinlay</strong> (Wellington Institute of Technology) <em>Trust and Algorithmic Opacity</em></td></tr>
<tr><td>9:30-10:00</td><td></td><td><strong>Oron Shagrir and Jack Copeland</strong> (The Hebrew University of Jerusalem) <em>Physical Computability Theses</em></td><td></td><td><strong>Harry Halpin</strong> (INRIA) <em>In Defense of Algorthithms</em></td></tr>
<tr><td>10:00-10:30</td><td colspan="4" align="center"><em>Coffee Break</em></td></tr>
<tr><td>10:30-11:00</td><td></td><td><strong>Paweł Stacewicz and Bartłomiej Skowron</strong> (Warsaw University of Technology) <em>Virtual objects as computationally grounded intentional objects</em></td><td></td><td><strong>Chirag Arora</strong> (Eindhoven University of Technology) <em>Digital Health Fiduciaries: Protecting User Privacy when Sharing Health Data</em></td></tr>
<tr><td>11:00-11:30</td><td></td><td><strong>Emma Ruttkamp-Bloem and Thomas Meyer</strong> (University of Pretoria; University of Cape Town and CAIR) <em>A Formal, Non-classical, Clarification of Whewell's Method of Inductive Reasoning in Science</em></td><td></td><td><strong>Ingvar Tjøstheim</strong> (Norwegian Computing Center) <em>Is there (a) room for privacy?</em></td></tr>
<tr><td>11:30-12:30</td><td colspan="4" align="center"><strong>Awards Keynote Address: Thomas M. Powers (University of Delaware)</strong><br><em>Computational Data Science: Epistemic and Ethical Challenges</em><br><br>Accepting the Simon Award on behalf of Thomas C. King and<br>the Covey Award on behalf of Deborah G. Johnson</td></tr>
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| | Thursday, June 21st | |
|---|---|---|
| 12:30-14:00 | Lunch Break | |
| 14:00-14:30 | **Michał Piekarski** (Cardinal Stefan Wyszyński University in Warsaw, Institute of Philosophy) *Decision-making and affordance-oriented predictions. Analysis from predictive processing framework* | **Ariane Bigenwald** (Paris 1 Panthéon Sorbonne) *The Autonomous Robot: Person, Slave or Machine? The Legal Challenge of Civil Responsibility in the Age of Artificial Intelligence* |
| 14:30-15:00 | **Pawel Kawalec** (John Paul II Catholic University of Lublin) *Modeling breakthrough and novel research strategies* | **James Pickering, Mateusz Podsiadly, Patricia Ashman and Keith Burnham** (Coventry University) *Machine Ethics for Autonomous Vehicle Collisions* |
| 15:00-15:30 | **Maxim Polyakov, Igor Khanin, Nikolai Bormatenko and Sergiy Kosenchuk** (MS-Ukraina LLC; Noosphere Ventures Inc.) *Quasi-Physical View on the Development of the Infosphere* | **Björn Lundgren** (KTH Royal Institute of Technology) *Beyond the Trolley Problem: Self-driving cars, AIs, and I/O-machines* |
| 15:30-16:00 | Coffee Break | |
| 16:00-16:30 | **Hajo Greif** (Technical University of Munich) *Modes of Modelling Minds. A Taxonomy of Simulations in Artificial Intelligence* | **Amelia von Gemmingen and David Danks** (Carnegie Mellon University) *Moral responsibility in mixed human-machine teams* |
| 16:30-17:00 | **Carlos Zednik** (Otto-von-Guericke Universität Magdeburg) *From Machine Learning to Machine Intelligence* | **Roman Krzanowski** (Pontifical University of John Paul II) *Problems of Emerging Ethics in Autonomous Robots* |
| 17:00-17:30 | **Anthony Durity** (University College Cork) *Philosophic Computing* | **Fiona McEvoy** (San Francisco State University) *Political Machines: Ethical Governance in the Age of AI* |
| 18:00-20:00 | Reception | |

| | Friday, June 22nd |
|---|---|
| 8:00-10:00 | Registration |
| 8:30-12:00<br><br>Coffee Break 10:00-10:30 | **Attention, Consciousness, Agency, and Artificial Intelligence:**<br>**An Interdisciplinary Symposium**<br>Paul Bello (Naval Research Laboratory)<br>Will Bridewell (Naval Research Laboratory)<br>Selmer Bringsjord (Rensselaer Polytechnic Institute)<br>Matthias Scheutz (Tufts University)<br>Ron Chrisley (University of Sussex)<br>Ron Sun (Rensselaer Polytechnic Institute)<br>Henry Shevlin (University of Cambridge, Leverhulme Centre for the Future of Intelligence)<br>Sebastian Watzl (University of Oslo) |
| 12:00-12:30 | *Coffee Break* |
| 12:30-13:30 | **Barwise Award Keynote Address: Edward N. Zalta (Stanford University)**<br>*How Computational Investigations Improved an Ontology* |
| 13:30-15:00 | *Lunch Break* |

| | Session A | | Session B |
|---|---|---|---|
| | | | |
| 15:00-15:30 | **Marcin Miłkowski, Mateusz Hohol and Witold Hensel** (Polish Academy of Sciences) *Replicability of Computational Models: Achilles Heel of Neuroscience* | | **Naveen Sundar Govindarajulu, Selmer Bringsjord and Rikhiya Ghosh** (Rensselaer Polytechnic Institute) *One Formalization of Virtue Ethics via Learning* |
| 15:30-16:00 | **Matteo De Benedetto** (Munich Center for Mathematical Philosophy) *On Foundational Analyses of Computability and the Focus of an Explication* | | **Paul Schweizer** (The University of Edinburgh) *Trivialization Arguments Reconsidered* |
| 16:00-16:30 | *Coffee Break* | | |
| 16:30-17:00 | **Tomasz Wysocki** (University of Pittsburgh) *Production explanations in formal sciences* | | **Nir Fresco** (Ben Gurion University of the Negev) *Information, Cognition and Objectivity* |
| 17:00-17:30 | **Nancy Abigail Nuñez Hernández and Francisco Hernández Quiroz** (Universidad Nacional Autónoma de México) *Computational complexity as evidence of the epistemic value of deduction* | | **Antonios Kaldas** (Macquarie University) *Do Machines Pay Attention?* |
| 17:30-18:00 | **Kevin Ryan, Pulin Agrawal and Stan Franklin** (University of Memphis) *Pattern Theory of Self in the LIDA Cognitive Model* | | **Matteo Colombo** (Tilburg University) *Miscomputation in Computational Psychiatry* |
| 19:00-21:00 | *Banquet Dinner* | | |

| | Saturday, June 23rd | |
|---|---|---|
| 8:00-10:00 | Registration | |
| | Session A | Session B |
| 9:00-9:30 | **Laura Crompton** (Ludwig Maximilian University of Munich) *Phronesis, Responsibility and Robots* | **Colin W. P. Lewis and Dagmar Monett** (AGISI.org; Berlin School of Economics and Law) *Text Analysis of Unstructured Data on Definitions of Intelligence* |
| 9:30-10:00 | **André Schmiljun** (Instytut Filozofii Uniwersytetu im. Adama Mickiewicza w Poznaniu) *Robot Morality: Bertram F. Malle's concept of moral competence* | **Hannah Pheasant** (The Graduate Theological Union at Berkeley) *The Colonization of the Digital Sphere* |
| 10:00-10:30 | *Coffee Break* | |
| 10:30-11:00 | **Bartosz Radomski** (Ruhr-Universität Bochum) *Can Jakob Hohwy (2013) justify his claim that brain is Bayesian?* | **Krzysztof Wójtowicz** (Instytut Filozofii UW) *Program Explanations: Logical, Computational and Physical Aspects* |
| 11:00-11:30 | **Pankaj Singh** (Indian Institute of Technology, Kanpur) *Contrasting Embodied Cognition with Standard Cognitive Science: A Perspective on Mental Representation* | **Lars Stepan Laichter and Ron Chrisley** (Quest University Canada; University of Sussex) *Time-Continuous Turing Machines* |
| 11:30-12:00 | *Coffee Break* | |
| 12:00-13:00 | **Keynote Address: Ned Block (NYU)** *Consciousness and the Joint in Nature Between Cognition and Perception* | |
| 13:00-14:30 | *Lunch Break* | |
| 14:30-17:30<br><br>Coffee Break 16:00-16:30 | **Symposium: Engineering Machine Consciousness -- A Conceptual Framework**<br>Peter Boltuc (UIS)<br>Ned Block (NYU)<br>Ricardo Sanz (Universidad Politécnica de Madrid)<br>Igor Aleksander (Imperial College, London)<br>Magnus Johnsson (Lund University) | |
| 17:30-18:00 | **Presidential Address: Don Berkich (A&M-Corpus Christi)** *We know what we can compute, but can we compute what we know?* | |
| 18:00-18:30 | **Open Business Meeting** | |