

# The International Association for Computing and Philosophy

2018 Annual Meeting  
June 21-23

Staszic Palace  
Institute of Philosophy and Sociology  
Polish Academy of Sciences  
ul. Nowy Świat 72  
00-330 Warszawa

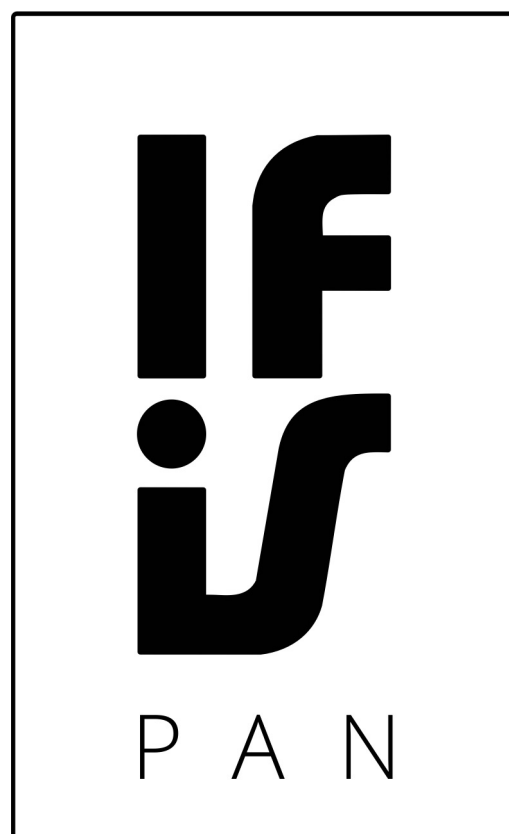
<http://www.ifispan.pl/en/>

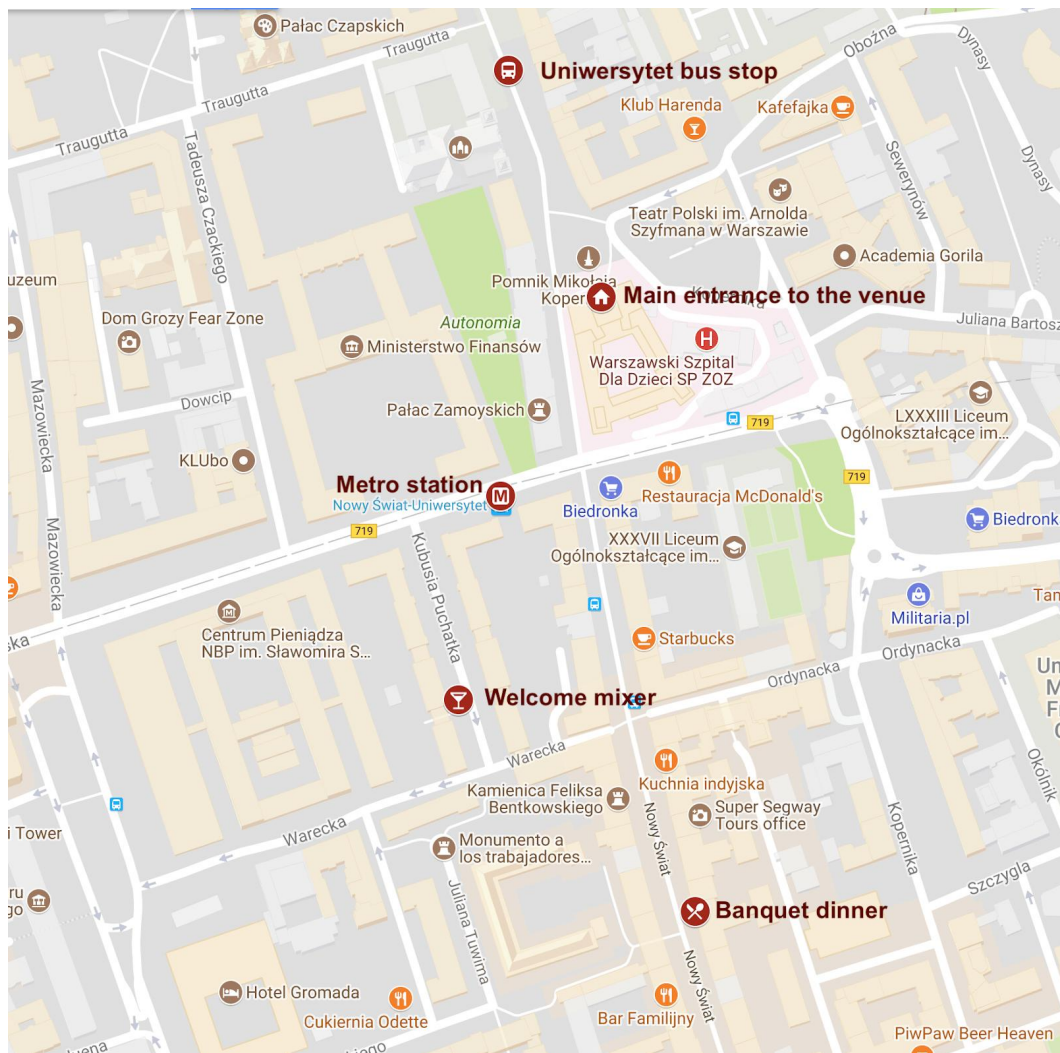
*Generous support provided by*

The Committee on Philosophical Sciences of  
the Polish Academy of Sciences

*and*

The Institute of Philosophy and Sociology





**The venue** is close to the University of Warsaw, and there are bus stops (Uniwersytet) and one subway stop (M2, Nowy Świat-Uniwersytet) nearby. Tickets are available from ticket machines (3.40 PLN for 20 minutes or 4.40 PLN for 70 minutes). The entrance to the Staszic Palace, the seat of the Institute, is easy to find: just look for the Nicolaus Copernicus Monument. There will be signs where to go, but here's the short explanation how to find your way. Note: there are several staircases in the building, which is large and it is easy to get lost. Just use the elevator to avoid getting lost.

**Registration and Book displays** will be on the ground floor.

**Session A** will take place in Room 006, which is at the ground floor of the Palace on the left-hand side.

**Session B, Keynote addresses, Symposia and coffee breaks** will be held at the top floor in the Ballroom Hall. The easiest way to go there is to take the elevator on the ground floor (on the right-hand side) and press "3". The elevator stops very close to the Hall, in the Canaletto Room (where **coffee break** is served).

**The welcome mixer** on Thursday will be held in Mjud, ul. Kubusia Puchatka 8. (<http://mjud.pl/strona-glowna/>)

**The banquet dinner** on Friday will be held at Specjały Regionalne, ul. Nowy Świat 44, a short walk from the conference dinner. Note: the dinner is on the first floor of the restaurant. (<http://specjalyregionalne.pl/restauracja/index.html>)

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Staszic Palace, Warsaw










Courtesy of the Institute of Philosophy and Sociology of the Polish Academy of Sciences

## Program Schedule

		<b>Thursday, June 21<sup>st</sup></b>	
8:00-10:00	Registration		
	Session A	Session B	
8:30-9:00	 <b>Brandt van der Gaast</b> (University of Twente) <i>Defining 'digital'</i>	 <b>Pak-Hang Wong</b> (University of Hamburg) <i>Algorithms and End User's Responsibility</i>	
9:00-9:30	 <b>Joe Dewhurst</b> (The University of Edinburgh) <i>Computing Mechanisms Without Proper Functions</i>	 <b>Steve McKinlay</b> (Wellington Institute of Technology) <i>Trust and Algorithmic Opacity</i>	
9:30-10:00	 <b>Oron Shagrir and Jack Copeland</b> (The Hebrew University of Jerusalem) <i>Physical Computability Theses</i>	 <b>Harry Halpin</b> (INRIA) <i>In Defense of Algorithms</i>	
10:00-10:30	<i>Coffee Break</i>		
10:30-11:00	 <b>Paweł Stacewicz and Bartłomiej Skowron</b> (Warsaw University of Technology) <i>Virtual objects as computationally grounded intentional objects</i>	 <b>Chirag Arora</b> (Eindhoven University of Technology) <i>Digital Health Fiduciaries: Protecting User Privacy when Sharing Health Data</i>	
11:00-11:30	 <b>Emma Ruttkamp-Bloem and Thomas Meyer</b> (University of Pretoria; University of Cape Town and CAIR) <i>A Formal, Non-classical, Clarification of Whewell's Method of Inductive Reasoning in Science</i>	 <b>Ingvar Tjøstheim</b> (Norwegian Computing Center) <i>Is there (a) room for privacy?</i>	
11:30-12:30	<p><b>Awards Keynote Address: Thomas M. Powers (University of Delaware)</b>  <i>Computational Data Science: Epistemic and Ethical Challenges</i></p> <p>Accepting the Simon Award on behalf of Thomas C. King and the Covey Award on behalf of Deborah G. Johnson</p>		

Thursday, June 21 <sup>st</sup>			
12:30-14:00	Lunch Break		
14:00-14:30		<b>Michał Piekarski</b> (Cardinal Stefan Wyszyński University in Warsaw, Institute of Philosophy) <i>Decision-making and affordance-oriented predictions. Analysis from predictive processing framework</i>	 <b>Ariane Bigenwald</b> (Paris 1 Panthéon Sorbonne) <i>The Autonomous Robot: Person, Slave or Machine? The Legal Challenge of Civil Responsibility in the Age of Artificial Intelligence</i>
14:30-15:00		<b>Pawel Kawalec</b> (John Paul II Catholic University of Lublin) <i>Modeling breakthrough and novel research strategies</i>	 <b>James Pickering, Mateusz Podsiadly, Patricia Ashman and Keith Burnham</b> (Coventry University) <i>Machine Ethics for Autonomous Vehicle Collisions</i>
15:00-15:30		<b>Maxim Polyakov, Igor Khanin, Nikolai Bormatenko and Sergiy Kosenchuk</b> (MS-Ukraine LLC; Noosphere Ventures Inc.) <i>Quasi-Physical View on the Development of the Infosphere</i>	 <b>Björn Lundgren</b> (KTH Royal Institute of Technology) <i>Beyond the Trolley Problem: Self-driving cars, AIs, and I/O-machines</i>
15:30-16:00	Coffee Break		
16:00-16:30		<b>Hajo Greif</b> (Technical University of Munich) <i>Modes of Modelling Minds. A Taxonomy of Simulations in Artificial Intelligence</i>	 <b>Amelia von Gemmingen and David Danks</b> (Carnegie Mellon University) <i>Moral responsibility in mixed human-machine teams</i>
16:30-17:00		<b>Carlos Zednik</b> (Otto-von-Guericke Universität Magdeburg) <i>From Machine Learning to Machine Intelligence</i>	 <b>Roman Krzanowski</b> (Pontifical University of John Paul II) <i>Problems of Emerging Ethics in Autonomous Robots</i>
17:00-17:30		<b>Anthony Durity</b> (University College Cork) <i>Philosophic Computing</i>	 <b>Fiona McEvoy</b> (San Francisco State University) <i>Political Machines: Ethical Governance in the Age of AI</i>
18:00-20:00	Reception		

		<b>Friday, June 22<sup>nd</sup></b>	
8:00-10:00	Registration		
8:30-12:00		<b>Attention, Consciousness, Agency, and Artificial Intelligence: An Interdisciplinary Symposium</b>	
Coffee Break 10:00-10:30		Paul Bello (Naval Research Laboratory) Will Bridewell (Naval Research Laboratory) Selmer Bringsjord (Rensselaer Polytechnic Institute) Matthias Scheutz (Tufts University) Ron Chrisley (University of Sussex) Ron Sun (Rensselaer Polytechnic Institute) Henry Shevlin (University of Cambridge, Leverhulme Centre for the Future of Intelligence) Sebastian Watzl (University of Oslo)	
12:00-12:30	<i>Coffee Break</i>		
12:30-13:30	<b>Barwise Award Keynote Address: Edward N. Zalta (Stanford University)</b> <i>How Computational Investigations Improved an Ontology</i>		
13:30-15:00	<i>Lunch Break</i>		
	Session A		Session B
15:00-15:30		<b>Marcin Miłkowski, Mateusz Hohol and Witold Hensel</b> (Polish Academy of Sciences) <i>Replicability of Computational Models: Achilles Heel of Neuroscience</i>	 <b>Naveen Sundar Govindarajulu, Selmer Bringsjord and Rikhiya Ghosh</b> (Rensselaer Polytechnic Institute) <i>One Formalization of Virtue Ethics via Learning</i>
15:30-16:00		<b>Matteo De Benedetto</b> (Munich Center for Mathematical Philosophy) <i>On Foundational Analyses of Computability and the Focus of an Explication</i>	 <b>Paul Schweizer</b> (The University of Edinburgh) <i>Trivialization Arguments Reconsidered</i>
16:00-16:30	<i>Coffee Break</i>		
16:30-17:00		<b>Tomasz Wysocki</b> (University of Pittsburgh) <i>Production explanations in formal sciences</i>	 <b>Nir Fresco</b> (Ben Gurion University of the Negev) <i>Information, Cognition and Objectivity</i>
17:00-17:30		<b>Nancy Abigail Nuñez Hernández and Francisco Hernández Quiroz</b> (Universidad Nacional Autónoma de México) <i>Computational complexity as evidence of the epistemic value of deduction</i>	 <b>Antonios Kaldas</b> (Macquarie University) <i>Do Machines Pay Attention?</i>
17:30-18:00		<b>Kevin Ryan, Pulin Agrawal and Stan Franklin</b> (University of Memphis) <i>Pattern Theory of Self in the LIDA Cognitive Model</i>	 <b>Matteo Colombo</b> (Tilburg University) <i>Miscomputation in Computational Psychiatry</i>
19:00-21:00	<i>Banquet Dinner</i>		

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