

# The International Association for Computing and Philosophy

2019 Annual Meeting

June 5-7

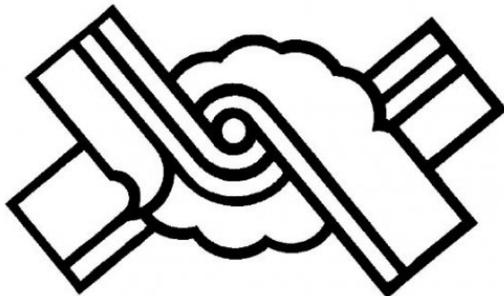
Mexico City

*Universidad Nacional Autónoma de México*

With the generous support of the Institute for Philosophical Research,  
the Institute of Mathematics, and the Virtual Computing Center



Instituto de  
Matemáticas UNAM



		<b>Wednesday, June 5<sup>th</sup></b> (Location: <a href="#">Institute for Mathematical Research</a> )	
9:00-11:00	Registration		
	Session A		Session B
10:00-10:30		<b>Eduardo García-Mendiola</b> (Universidad Panamericana) <i>Some phenomenological considerations in computational modeling of analogy</i>	 <b>Fiona McEvoy</b> (YouTheData.com) <i>AI-Driven Behavior Change and the Parameters of Ethical Permissibility</i>
10:30-11:00		<b>Alice Martin and Mathieu Magnaudet</b> (ENAC) <i>Engineering distributed systems: how efficient is a computational model?</i>	 <b>Karen Gonzalez-Fernandez</b> (Universidad Panamericana) <i>Logic and Heuristics in Cognitive Psychology and Computational Sciences: Friends or Enemies?</i>
11:00-11:15	<i>Coffee Break</i>		
11:15-12:15		Keynote Address: <b>Alexandru Baltag</b>	
12:15-12:30	<i>Coffee Break</i>		
	Symposium: <b>Distributed Computation</b>		
12:30-13:10		<b>David Fernández-Duque</b> (Universiteit Gent, Belgium) <i>Stratified evidence logic</i>	
13:10-13:50		<b>Armando Castañeda</b> (Instituto de Matemáticas, UNAM, Mexico) <i>Distributed Computing with Bounded Rational Agents</i>	
13:50-14:30		<b>Fernando Velázquez-Quesada</b> (Amsterdam University, The Netherlands) <i>Reliability-based preference dynamics</i>	
14:30-15:30	<i>Lunch Break: Instituto de Matemáticas</i>		
15:30-16:10		<b>Aldo Iván Ramírez-Abarca</b> (Utrecht University, The Netherlands) <i>Topological Models of Group Knowledge</i>	
16:10-16:50		<b>Sonja Smets</b> (ILLC Amsterdam, The Netherlands) <i>Logic and Computation of Social Behavior</i>	
16:50-17:10	<i>Coffee Break</i>		
17:10-17:50		<b>Ana Lucia Vargas-Sandoval</b> (ILLC Amsterdam, The Netherlands) <i>A Dynamic Logic for Learning Theory</i>	
17:50-18:30		<b>Sergio Rajsbaum</b> (Instituto de Matemáticas, UNAM, Mexico) <i>Distributed computing, epistemic logic and topology</i>	
18:30-19:00	Closing Remarks: <b>Alexandru Baltag</b>		
19:30-22:30	<i>Reception: <a href="#">Centenario 107</a> Col. del Carmen, 04100 Coyoacán, Tel: +52 55 4752 6369</i>		

		<b>Thursday, June 6<sup>th</sup></b> (Location: <a href="#">Institute for Philosophical Research</a> )	
9:00-11:00	Registration		
	Session A		Session B
10:00-10:30		<b>Björn Lundgren</b> (Institute for Future Studies) <i>Self-driving Cars: An Ethical Overview</i>	
			<b>Nancy Abigail Nuñez Hernández</b> (University of Hamburg) <i>Fixed-parameter tractability of cognitive capacities and the usefulness of deductive reasoning</i>
10:30-11:00		<b>Steve T. McKinlay</b> (Wellington Institute of Technology) <i>Machiavellian Machines: Glitching AI</i>	
			<b>Oron Shagrir and Lotem Elber-Dorozko</b> (The Hebrew University of Jerusalem) <i>Integrating computation into the mechanistic hierarchy in the cognitive and neural science</i>
11:00-11:30		<b>Ronald Arkin</b> (Georgia Institute of Technology) <i>Misdirection in Robot Teams: Methods and Ethical Considerations</i>	
			<b>Paul Schweizer</b> (The University of Edinburgh) <i>Types, Tokens and Turing Tests</i>
11:30-11:45	<i>Coffee Break</i>		
11:45-12:45	Covey Award Keynote Address: <b>John Weckert</b>		
12:45-13:00	<i>Coffee Break</i>		
13:00-13:30		<b>Karl de Fine Licht and Jenny de Fine Licht</b> (KTH The Royal Institute of Technology and The University of Gothenburg) <i>Artificial Intelligence, Transparency, and Public Decision-Making -Why we should opt for explaining AI assistants</i>	
			<b>Erlantz Etxeberria</b> (University of Western Ontario) <i>Mathematical Explanation and the Problem of Counterpossibles</i>
13:30-14:00		<b>Anders Herlitz</b> (Institute for Futures Studies) <i>Predictive Fairness</i>	
			<b>Christian J. Feldbacher-Escamilla</b> (Duesseldorf Center for Logic and Philosophy of Science (DCLPS), University of Duesseldorf) <i>Meta-Abduction. Inference to the Best Prediction</i>
14:00-14:30		<b>Mauricio Eduardo Bieletto Bueno</b> (UNAM/University College London) <i>The Epiphenomenal Puzzle and the Formal Conception of Computational Dynamics</i>	
			<b>Tomasz Wysocki</b> (University of Pittsburgh) <i>Causal judgments and model implementation</i>
14:30-16:00	<i>Lunch Break: Instituto de Investigaciones Filosóficas</i>		

<b>Thursday, June 6<sup>th</sup></b> (Location: <a href="#">Institute for Philosophical Research</a> )				
16:00-16:30		<b>Stefan Gruner</b> (University of Pretoria) <i>Inappropriate Notions of 'Theory' and their Practical Consequences in the Discipline of Software 'Engineering'</i>		<b>Gustavo Magallanes-Guijón, Florian Hruby, León Felipe Álvarez Sánchez, Yenifer López Jaramillo and Rainer Ressler</b> (School of Sciences, National Autonomous University of Mexico, National, Institute of Ocean Sciences and Limnology, National Autonomous University of Mexico) <i>Situated Cognition and Virtualization: Immersive Virtual Reality as an Artefact of the Extended Mind</i>
16:30-17:00		<b>Denis Chetwynd</b> (Bogazici University) <i>Computation, Causation, Mechanism. The Fragmented Landscape of Reality</i>		<b>Mauricio Algalan-Meneses</b> (Posgrado en filosofía de la Ciencia UNAM) <i>The birth of Evil Genius</i>
17:00-17:30	<i>Coffee Break</i>			
17:30-18:00		<b>Lourdes Del Carmen González Huesca and Favio Ezequiel Miranda Perea</b> (Departamento de Matemáticas, Facultad de Ciencias, UNAM) <i>On the Conciliation of Traditional and Computer-Assisted Proofs</i>		<b>David Abel and Mark Ho</b> (Brown University and Princeton University) <i>Boundedly Rational Concept Formation</i>
18:00-18:30		<b>Paul Thorn and Christian J. Feldbacher-Escamilla</b> (Duesseldorf Center for Logic and Philosophy of Science (DCLPS), University of Duesseldorf) <i>Meta-, Anti-, Induction</i>		<b>Yves Bouchard</b> (Université de Sherbrooke) <i>Inferential Knowledge and Knowledge Representation</i>
20:00-22:00	<i>Banquet Dinner: <a href="#">SAKS "San Ángel" Restaurante &amp; Vinoteca</a>            Plaza San Jacinto 9, Col. San Ángel, Tel: 5616-1601</i>			

<b>Friday, June 7<sup>th</sup></b> (Location: <a href="#">Institute for Philosophical Research</a> )				
9:30-11:30		Registration		
	Session A		Session B	
10:30-11:00		<b>Alan Wagner, Jason Borenstein and Ronald Arkin</b> (Pennsylvania State University and Georgia Institute of Technology) <i>Kantian one day, Consequentialist the next: Moral emotions as mediators between ethical frameworks for robots</i>		<b>Leon Palafox, Enrique Siqueiros-Fernandez and Karen Gonzalez-Fernandez</b> (Universidad Panamericana) <i>The case of gentrification and education in Mexico. Possibilities of Data Science.</i>
11:00-11:30		<b>Angelica Fleury</b> (University of Minnesota) <i>Creating Moral Ideals in AI through Buddhist Principles</i>		<b>Robin Hill</b> (University of Wyoming) <i>How Artificial is Data?</i>
11:30-11:45		Coffee Break		
11:45-12:45		Simon Award Keynote Address: <b>Juan M. Durán</b>		
12:45-13:00		Coffee Break		
13:00-13:30		<b>Eduardo Mendieta and Alan Wagner</b> (The Pennsylvania State University) <i>The Aristotelian Robot</i>		<b>Maria Del Rosario Martinez Ordaz</b> (UNAM) <i>Is there anything special about the type of defectiveness involved in Big Data?: Some reflections on ignorance and Astrophysics</i>
13:30-14:00		<b>Himavath Jois and Alan Wagner</b> (The Pennsylvania State University) <i>Castigation by Robot: Should Robots be Allowed to Punish Us?</i>		<b>Stefan Gruner and Matthias Bartelmann</b> (University of Pretoria and Universität Heidelberg, Zentrum für Astronomie, Institut für Theoretische Astrophysik) <i>On Computer Simulations, with particular Regard to their Application in Contemporary Astrophysics: some Science-Philosophical Considerations</i>
14:00-15:30		Lunch Break: Instituto de Investigaciones Filosóficas		

<b>Friday, June 7<sup>th</sup></b> (Location: <a href="#">Institute for Philosophical Research</a> )				
15:30-16:00		<b>Rocco Gangle</b> (Endicott College) <i>Implementing algorithmic and computational design in philosophical pedagogy</i>		<b>Steven Meyer</b> (Tachyon Design Automation) <i>Lighthill's Anti Formalist Falsification of AI in Philosophical Context</i>
16:00-16:30		<b>Ricardo Viguera</b> s (Universidad Complutense de Madrid) <i>Ethics and New Epistemology of Artificial Intelligence and Big Data</i>		
16:30-17:00	<i>Coffee Break</i>			
17:00-17:30	Presidential Address: <b>Don Berkich</b>			
17:30-18:00	IACAP Open Business Meeting & Elections Results			