

The International Association for Computing and Philosophy

2019 Annual Meeting

June 5-7

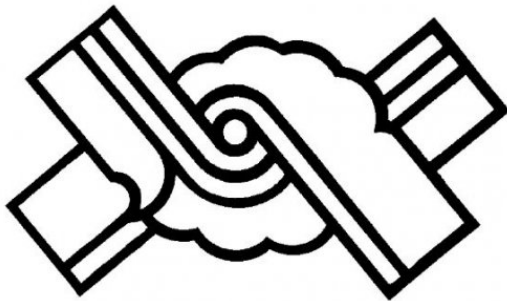
Mexico City













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






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

		Thursday, June 6th (Location: Institute for Philosophical Research)	
9:00-11:00	Registration		
	Session A		Session B
10:00-10:30		Björn Lundgren (Institute for Future Studies) <i>Self-driving Cars: An Ethical Overview</i>	
			Nancy Abigail Nuñez Hernández (University of Hamburg) <i>Fixed-parameter tractability of cognitive capacities and the usefulness of deductive reasoning</i>
10:30-11:00		Steve T. McKinlay (Wellington Institute of Technology) <i>Machiavellian Machines: Glitching AI</i>	
			Oron Shagrir and Lotem Elber-Dorozko (The Hebrew University of Jerusalem) <i>Integrating computation into the mechanistic hierarchy in the cognitive and neural science</i>
11:00-11:30		Ronald Arkin (Georgia Institute of Technology) <i>Misdirection in Robot Teams: Methods and Ethical Considerations</i>	
			Paul Schweizer (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: John Weckert		
12:45-13:00	<i>Coffee Break</i>		
13:00-13:30		Karl de Fine Licht and Jenny de Fine Licht (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>	
			Erlantz Etxeberria (University of Western Ontario) <i>Mathematical Explanation and the Problem of Counterpossibles</i>
13:30-14:00		Anders Herlitz (Institute for Futures Studies) <i>Predictive Fairness</i>	
			Christian J. Feldbacher-Escamilla (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		Mauricio Eduardo Bieletto Bueno (UNAM/University College London) <i>The Epiphenomenal Puzzle and the Formal Conception of Computational Dynamics</i>	
			Tomasz Wysocki (University of Pittsburgh) <i>Causal judgments and model implementation</i>
14:30-16:00	<i>Lunch Break: Instituto de Investigaciones Filosóficas</i>		

Thursday, June 6th (Location: Institute for Philosophical Research)				
16:00-16:30		Stefan Gruner (University of Pretoria) <i>Inappropriate Notions of 'Theory' and their Practical Consequences in the Discipline of Software 'Engineering'</i>		Gustavo Magallanes-Guijón, Florian Hruby, León Felipe Álvarez Sánchez, Yenifer López Jaramillo and Rainer Ressler (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		Denis Chetwynd (Bogazici University) <i>Computation, Causation, Mechanism. The Fragmented Landscape of Reality</i>		Mauricio Algalan-Meneses (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		Lourdes Del Carmen González Huesca and Favio Ezequiel Miranda Perea (Departamento de Matemáticas, Facultad de Ciencias, UNAM) <i>On the Conciliation of Traditional and Computer-Assisted Proofs</i>		David Abel and Mark Ho (Brown University and Princeton University) <i>Boundedly Rational Concept Formation</i>
18:00-18:30		Paul Thorn and Christian J. Feldbacher-Escamilla (Duesseldorf Center for Logic and Philosophy of Science (DCLPS), University of Duesseldorf) <i>Meta-, Anti-, Induction</i>		Yves Bouchard (Université de Sherbrooke) <i>Inferential Knowledge and Knowledge Representation</i>
20:00-22:00	<i>Banquet Dinner: SAKS "San Ángel" Restaurante & Vinoteca Plaza San Jacinto 9, Col. San Ángel, Tel: 5616-1601</i>			

Friday, June 7th (Location: Institute for Philosophical Research)				
9:30-11:30	Registration			
	Session A		Session B	
10:30-11:00		Alan Wagner, Jason Borenstein and Ronald Arkin (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>		Leon Palafox, Enrique Siqueiros-Fernandez and Karen Gonzalez-Fernandez (Universidad Panamericana) <i>The case of gentrification and education in Mexico. Possibilities of Data Science.</i>
11:00-11:30		Angelica Fleury (University of Minnesota) <i>Creating Moral Ideals in AI through Buddhist Principles</i>		Robin Hill (University of Wyoming) <i>How Artificial is Data?</i>
11:30-11:45	<i>Coffee Break</i>			
11:45-12:45	Simon Award Keynote Address: Juan M. Durán			
12:45-13:00	<i>Coffee Break</i>			
13:00-13:30		Eduardo Mendieta and Alan Wagner (The Pennsylvania State University) <i>The Aristotelian Robot</i>		Maria Del Rosario Martinez Ordaz (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		Himavath Jois and Alan Wagner (The Pennsylvania State University) <i>Castigation by Robot: Should Robots be Allowed to Punish Us?</i>		Stefan Gruner and Matthias Bartelmann (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	<i>Lunch Break: Instituto de Investigaciones Filosóficas</i>			

Friday, June 7th (Location: Institute for Philosophical Research)				
15:30-16:00		Rocco Gangle (Endicott College) <i>Implementing algorithmic and computational design in philosophical pedagogy</i>		Steven Meyer (Tachyon Design Automation) <i>Lighthill's Anti Formalist Falsification of AI in Philosophical Context</i>
16:00-16:30		Ricardo Viguera 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: Don Berkich			
17:30-18:00	IACAP Open Business Meeting & Elections Results			