

International conference: Information and Computing in Nature: Philosophical Perspectives

Polish Academy of Arts and Sciences in Krakow, Poland

December 1st, 2022 (online) Time is CET=UTC+1

start time	end time	Name	Title	Association	
09:00	09:05	Paweł Polak	Opening		
09:05	09:45	Gordana Dodig-Crnkovic	Opening lecture: Mechanisms of Cognition and Intelligence in Nature: Models of Cognitive Information Processing Beyond the Turing Model of Computation	Chalmers University	
09:45	09:55	discussion+short brake			
09:55	10:15	Ulrich Stegmann	On Shea's teleosemantic account of genetic information	School of Divinity, History, Philosophy and History of Art, University of Aberdeen	
10:15	10:35	Kristina Šekrst	Taming of the shroom: fungi, computation and mycophilosophy	University of Zagreb	
10:35	10:55	Karl Javorszky	Ordometric counting	Institut für angewandte Statistik, Wien	
10:55	11:05	discussion+short brake			
11:05	11:25	More coffee break			
11:25	12:05	Lukasz Mściślawski	Is Copehagen-like AI paradigm satisfactory?	Wrocław University of Science and Technology	
12:05	12:25	Timothy Tambassi	Perspectivism on Information System Ontologies	Universities of Salerno and Eastern Piedmont	
12:25	12:55	discussion+lunch break			
12:55	13:15	Roman Krzanowski Paweł Polak	The Concepts of Information and Computing in Swarms	Pontifical University of John Paul II in Kraków	
13:15	13:35	Emanuel Diamant	Data-driven Bioinformatics is a popular but wrong and misleading attempt to assess the information-handling abilities of natural biological systems	independent researcher	
13:35	13:55	Luke Kersten	Mechanistic Computation and its Problems: An Abstract Solution	Institute for Philosophy II, Ruhr University Bochum	
13:55	14:05	discussion+short brake			
14:05	14:25	David Thorstad	Against the singularity hypothesis	Global Priorities Institute, Oxford, and a Junior Research Fellow at Kellogg College, Oxford	
14:25	14:45	Wiktór Rorot	Counting on the Cilia: Morphological Computation and Morphogenesis	Human Interactivity and Language Lab, Faculty of Psychology, University of Warsaw	
14:45	15:05	Nir Fresco	Miscomputation and Computational Indeterminacy	Ben Gurion University of the Negev	
15:05	15:35	Andrzej Bielecki Michael Schmittel	Structural information and application to chemistry and biology	AGH University of Science and Technology, Kraków; Siegen University, Siegen, Germany	
15:35	15:55	Marcin Rządeczka	A computational perspective on complex mental disorders. Are mental disorders just suboptimal algorithms?	Institute of Philosophy, Maria Curie-Skłodowska University in Lublin	
15:55	16:15	Mariusz Stanowski	Binary Model of Universe	independent researcher	
16:15	16:35	Louis H Kauffman	Replication and Self-Reference in Formal Systems and in Biology	University of Illinois at Chicago	
16:35	16:55	Andrew Richmond	Computational Externalism	Postdoctoral Associate, Rotman Institute, University of Western Ontario	
16:55	17:05	discussion+short brake			
17:05	17:45	Mark Burgin Rao Mikkilineni	Closing lecture: Information in the physical world: A New Perspective from the General Theory of Information	UCLA, Los Angeles, California, USA Golden Gate University	
17:45	18:00	Roman Krzanowski	Open Discussion Closing Remarks		