Record Nr. UNINA9910255345803321 Computing and Philosophy: Selected Papers from IACAP 2014 / / **Titolo** edited by Vincent C. Müller Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2016 **ISBN** 3-319-23291-6 Edizione [1st ed. 2016.] Descrizione fisica 1 online resource (279 p.) Collana Synthese Library, Studies in Epistemology, Logic, Methodology, and Philosophy of Science, , 0166-6991;; 375 Disciplina 100 Soggetti Philosophy of mind Artificial intelligence Cognitive psychology Philosophy of Mind Artificial Intelligence Cognitive Psychology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto Editorial -- Part I philosophy of computing -- Chapter 1 Çem Bozsahin. What's a computational constraint? -- Chapter 2 Joe Dewhurst. Computing Mechanisms and Autopoietic Systems -- Chapter 3 Vincenzo Fano, Pierluigi Graziani, Roberto Macrelli and Gino Tarozzi. Are Gandy Machines really local? -- Chapter 4 Doukas Kapantais. A refutation of the Church-Turing thesis according to some interpretation of what the thesis says -- Chapter 5 Paul Schweizer. In What Sense Does the Brain Compute? -- Part II philosophy of computer science & discovery -- Chapter 6 Mark Addis, Peter Sozou, Peter C R Lane and Fernand Gobet. Computational Scientific Discovery and Cognitive Science Theories -- Chapter 7 Nicola Angius and Petros Stefaneas. Discovering Empirical Theories of Modular Software Systems. An Algebraic Approach -- Chapter 8 Selmer Bringsjord, John Licato, Daniel Arista, Naveen Sundar Govindarajulu and Paul Bello. Introducing the Doxastically Centered Approach to Formalizing Relevance Bonds in Conditionals -- Chapter 9 Orly Stettiner. From Silico to Vitro:

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Sommario/riassunto

This volume offers very selected papers from the 2014 conference of the "International Association for Computing and Philosophy" (IACAP) - a conference tradition of 28 years. The theme of the papers is the two-way relation between computing technologies and philosophical questions: Computing technologies both raise new philosophical questions, and shed light on traditional philosophical problems. The chapters cover: 1) philosophy of computing, 2) philosophy of computer science & discovery, 3) philosophy of cognition & intelligence, 4) computing & society, and 5) ethics of computation.