1. **Record Nr.**   UNINA9910483887903321

   Titolo   Computation, Logic, Games, and Quantum Foundations - The Many Facets of Samson Abramsky : Essays Dedicted to Samson Abramsky on the Occasion of His 60th Birthday / / edited by Bob Coecke, Luke Ong, Prakash Panangaden

   Pubbl/distr/stampa Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013

   ISBN   3-642-38164-2

   Edizione   [1st ed. 2013.]

   Descrizione fisica 1 online resource (XX, 363 p. 26 illus.)

   Collana   Theoretical Computer Science and General Issues, , 2512-2029 ; ; 7860

   Disciplina   303.4833

   Soggetti   Computer science
                          Machine theory
                          Algorithms
                          Software engineering
                          Compilers (Computer programs)
                          Computer Science Logic and Foundations of Programming
                          Theory of Computation
                          Formal Languages and Automata Theory
                          Software Engineering
                          Compilers and Interpreters

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto Use of a Canonical Hidden-Variable Space in Quantum Mechanics -- Imperfect Information in Logic and Concurrent Games -- Compositional Quantum Logic -- The Algebra of Directed Acyclic Graphs -- Diagrammatic Reasoning for Delay-Insensitive Asynchronous Circuits -- Payoffs, Intensionality and Abstraction in Games -- On the Theory of Composition in Physics -- On the Functor 2 -- Quantum Speedup and Categorical Distributivity -- Unifying Semantics for Concurrent Programming -- Unfixing the Fixpoint: The Theories of the Y -Calculus -- Continuous Domain Theory in Logical Form -- Presheaf Models of Quantum Computation: An Outline -- Nothing Can Be Fixed -- Dialogue Categories and Frobenius Monoids -- Anatomy of a

Domain of Continuous Random Variables II -- Towards Nominal Abramsky -- Techniques for Formal Modelling and Analysis of Quantum Systems -- Quantum Field Theory for Legspinners -- Bicompletions of Distance Matrices -- Partial Recursive Functions and Finality -- Breaking the Atom with Samson -- Reasoning about Strategies -- Domain Theory in Topical Form -- Kolmogorov Complexity of Categories.

Sommario/riassunto	This Festschrift volume, published in honor of Samson Abramsky, contains contributions written by some of his colleagues, former students, and friends. In celebration of the 60th birthday of Samson Abramsky, a conference was held in Oxford, UK, during May 28-30, 2010. The papers in this volume represent his manifold contributions to semantics, logic, games, and quantum mechanics.