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Soggetti	Elementary particles (Physics)
	Quantum field theory
	Artificial intelligence
	Computer programming
	Computers
	Algorithms
	Mathematical logic
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Tutorial -- to Quantum Probability for Social and Behavioral Scientists -- Invited Talk -- Revealing Quantum Entanglement via Locally Noneffective Operations -- Foundations -- Fractals and the Fock-Bargmann Representation of Coherent States -- Generalising Unitary Time Evolution -- Comparison of Quantum and Bayesian Inference Models -- Quantum-Like Representation of Macroscopic Configurations -- Quantum Cognition -- Experimental Evidence for

Quantum Structure in Cognition -- Extracting Spooky-Activation-at-a-Distance from Considerations of Entanglement -- Quantum Amplitude Amplification Algorithm: An Explanation of Availability Bias -- Quantum Coherence without Quantum Mechanics in Modeling the Unity of Consciousness -- Quantum Mechanics and Decision Theory -- An Exploration of Type Indeterminacy in Strategic Decision-Making -- Classical Logical Versus Quantum Conceptual Thought: Examples in Economics, Decision Theory and Concept Theory -- Quantum Mechanics and Computation -- Quantum and Classical Structures in Nondeterminstic Computation -- A Symbolic Classical Computer Language for Simulation of Quantum Algorithms -- Quantum Theory, the Chinese Room Argument and the Symbol Grounding Problem -- Quantum Mechanics and Social Interaction -- Conservation of Information: A New Approach to Organizing Human-Machine-Robotic Agents under Uncertainty -- On Voting Process and Quantum Mechanics -- Nonseparability of Shared Intentionality -- Quantum Mechanics and Semantic Space -- Semantic Spaces: Measuring the Distance between Different Subspaces -- Characterizing Pure High-Order Entanglements in Lexical Semantic Spaces via Information Geometry -- Semantic Vector Combinations and the Synoptic Gospels -- Quantum Mechanics and Information Retrieval -- Eraser Lattices and Semantic Contents -- Beyond Ontology in Information Systems -- Structured Information Retrieval and Quantum Theory -- Quantum Mechanics and Economics -- Hilbert Space Models Commodity Exchanges -- Quantum Calculus (q-Calculus) and Option Pricing: A Brief Introduction.

| Sommario/riassunto | This book constitutes the refereed proceedings of the Third International Symposium on Quantum Interaction, QI 2009, held in Saarbrücken, Germany, in March 2009. The 21 revised full papers presented together with the 3 position papers were carefully reviewed and selected from numerous submissions. The papers show the cross-disciplinary nature of quantum interaction covering topics such as computation, cognition, decision theory, information retrieval, information systems, social interaction, computational linguistics and finance. |