1. Record Nr.   UNISA996198270603316

   Titolo   Artificial General Intelligence [[electronic resource]] : 7th International Conference, AGI 2014, Quebec City, QC, Canada, August 1-4, 2014, Proceedings / / edited by Ben Goertzel, Laurent Orseau, Javier Snaider

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014

   ISBN   3-319-09274-X

   Edizione   [1st ed. 2014.]

   Descrizione fisica   1 online resource (XII, 268 p. 44 illus.)

   Collana   Lecture Notes in Artificial Intelligence ; ; 8598

   Disciplina   006.3

   Soggetti   Artificial intelligence
                        Mathematical logic
                        Pattern recognition
                        Algorithms
                        Application software
                        Software engineering
                        Artificial Intelligence
                        Mathematical Logic and Formal Languages
                        Pattern Recognition
                        Algorithm Analysis and Problem Complexity
                        Information Systems Applications (incl. Internet)
                        Software Engineering

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto   Agent Architectures -- Autonomy -- Benchmarks and Evaluation -- Cognitive Modeling -- Collaborative Intelligence -- Creativity -- Distributed AI -- Formal Models of General Intelligence -- Implications of AGI for Society, Economy and Ecology -- Integration of Different Capabilities -- Knowledge Representation for General Intelligence -- Languages, Specification Approaches and Toolkits -- Learning, and Learning Theory -- Motivation, Emotion and Affect -- Multi-Agent Interaction -- Natural Language Understanding -- Neural-Symbolic Processing -- Perception and Perceptual Modeling -- Philosophy of AGI

-- Reasoning, Inference and Planning -- Reinforcement Learning -- Robotic and Virtual Embodiment -- Simulation and Emergent Behavior -- Solomonoff Induction.

Sommario/riassunto	This book constitutes the refereed proceedings of the 7th International Conference on Artificial General Intelligence, AGI 2014, held in Quebec City, QC, Canada, in August 2014. The 22 papers and 8 posters were carefully reviewed and selected from 65 submissions. Researchers have recognized the necessity of returning to the original goals of the field by treating intelligence as a whole. Increasingly, there is a call for a transition back to confronting the more difficult issues of "human-level intelligence" and more broadly artificial general intelligence. AGI research differs from the ordinary AI research by stressing on the versatility and wholeness of intelligence, and by carrying out the engineering practice according to an outline of a system comparable to the human mind in a certain sense. The AGI conference series has played, and continues to play, a significant role in this resurgence of research on artificial intelligence in the deeper, original sense of the term of "artificial intelligence". The conferences encourage interdisciplinary research based on different understandings of intelligence, and exploring different approaches.