1. Record Nr.   UNINA9910483992703321

   Titolo   MICAI 2007: Advances in Artificial Intelligence : 6th Mexican
                         International Conference on Artificial Intelligence, Aguascalientes,
                         Mexico, November 4-10, 2007, Proceedings / / edited by Alexander
                         Gelbukh, Àngel Fernando Kuri Morales

   Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
                         , 2007

   ISBN   3-540-76631-6

   Edizione   [1st ed. 2007.]

   Descrizione fisica   1 online resource (XXXVII, 1236 p.)

   Collana   Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 4827

   Disciplina   006.3

   Soggetti   Artificial intelligence
                         Computer science
                         Machine theory
                         Computer vision
                         Artificial Intelligence
                         Theory of Computation
                         Formal Languages and Automata Theory
                         Computer Vision

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di bibliografia Includes bibliographical references and index.

   Nota di contenuto   Computational Intelligence -- Neural Networks -- Knowledge
                         Representation and Reasoning -- Agents and Multiagent Systems --
                         Machine Learning and Data Mining -- Image Processing, Computer
                         Vision, and Robotics -- Natural Language Processing -- Speech
                         Processing and Human-Computer Interfaces -- Planning and
                         Scheduling -- Bioinformatics and Medical Applications -- Industrial
                         Applications -- Intelligent Tutoring Systems.

   Sommario/riassunto   Artificial Intelligence is a branch of computer science that studies
                         heuristic methods of solving complex problems. Historically the first
                         such tasks modeled human intellectual activity: reasoning, learning,
                         seeing and speaking. Later similar methods were extended to super-
                         complex optimization problems that appear in science, social life and
                         industry. Many methods of Artificial Intelligence are borrowed from

nature, where there occur similar super-complex problems such as those related to survival, development, and behavior of living organisms. The Mexican International Conference on Artificial Intelligence (MICAI), a yearly international conference series organized by the Mexican Society for Artificial Intelligence (SMIA), is a major international AI forum and the main event in the academic life of the country's growing AI community. The proceedings of the previous MICAI events were published by Springer in its Lecture Notes in Artificial Intelligence (LNAI) series, vol. 1793, 2313, 2972, 3789, and 4293. Since its foundation in 2000, the conference has shown a stable growth in popularity (see Figures 1 and 3) and improvement in quality (see Fig. 2). The 25% acceptance rate milestone was passed for the first time this year.