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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 4570
Disciplina	670.28563
Soggetti	Artificial intelligence Computer science Pattern recognition systems Software engineering Application software User interfaces (Computer systems) Human-computer interaction Artificial Intelligence Theory of Computation Automated Pattern Recognition Software Engineering Computer and Information Systems Applications User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Keynotes -- Text Processing -- [Special] Fuzzy System Applications I -- Vision I -- [Special] Real World Interaction -- [Special] Fuzzy System Applications II -- Vision II -- Genetic Algorithm -- [Special] Fuzzy System Applications III -- Robot -- Poster -- Genetic Algorithm II -- Fuzzy Logic I -- Manufacturing -- Data Mining I -- Neural Network I -- Constraint Satisfaction -- Data Mining II -- Neural Network II -- Fuzzy Logic II -- Machine Learning I -- [Special] Chance Discovery and Social

Network I -- Education -- Machine Learning II -- [Special] Chance Discovery and Social Network II -- Speech -- [Special] E-commerce I -- Heuristic Search I -- Application System -- [Special] E-commerce II -- Agent-Based System -- Heuristic Search II -- Other Applications.

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### Sommario/riassunto

"The true sign of intelligence is not knowledge but imagination." Albert Einstein Applied artificial intelligence researchers have been focusing on developing and employing methods and systems to solve real-life problems in all areas including engineering, science, industry, automation & robotics, business & finance, the cyberspace, and man-machine interactions. The 20 International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems (IEA/AIE-2007) held in Kyoto, Japan presented such work performed by many scientists worldwide. The previous IEA/AIE conference held in Japan was the Ninth International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert systems (IEA/AIE-1996) in Fukuoka in 1996. The duration of 11 years between two conferences demanded drastic changes around applied artificial intelligence research.

The main causes are the rapid expansion of the Internet and the deluge of electronic and on-line text data. The Program Committee - cused on Asian-originating technologies, such as active mining, integration of the Internet and broadcasting, chance discovery, real-world interactions, and fuzzy logic applications. The first four are from Japan and the last one is from Taiwan and China. We received 462 papers from all parts of the world. Each paper was sent to at least three Program Committee members for review. Only 116 papers were selected for presentation and publication in the proceedings. We would like to express our sincere thanks to the Program Committee and all the reviewers for their hard work.

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