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	Altri autori (Persone)	AliMoonis EspositoFloriana <1947->
	Disciplina	006.3
	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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	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Invited Contributions -- Computer Vision -- Image Analysis -- Speech Recognition -- Robotics -- Agents -- Planning -- Human-Computer Interaction and Natural Language Processing -- Reasoning -- Machine Learning -- Data Mining -- Genetic Algorithms -- Neural Networks -- Decision Support and Heuristic Search -- Fuzzy Logic -- Knowledge Management -- Applications.

Sommario/riassunto

"Intelligent systems are those which produce intelligent o?springs." AI researchers have been focusing on developing and employing strong methods that are capable of solving complex real-life problems. The 18th International Conference on Industrial & Engineering Applications of Arti?cial Intelligence & Expert Systems (IEA/AIE 2005) held in Bari, Italy presented such work performed by many scientists worldwide. The Program Committee selected long papers from contributions presenting more complete work and posters from those reporting ongoing research. The Committee enforced the rule that only original and unpublished work could be considered for inclusion in these proceedings. The Program Committee selected 116 contributions from the 271 subm- ted papers which cover the following topics: arti?cial systems, search engines, intelligent interfaces, knowledge discovery, knowledge-based technologies, na- ral language processing, machine learning applications, reasoning technologies, uncertainty management, applied data mining, and technologies for knowledge management. The contributions oriented to the technological aspects of AI and the quality of the papers are witness to a research activity clearly aimed at consolidating the theoretical results that have already been achieved. The c- ference program also included two invited lectures, by Katharina Morik and Roberto Pieraccini. Manypeoplecontributedindi?erentwaystothesuccessoftheconferenceand to this volume. The authors who continue to show their enthusiastic interest in applied intelligence research are a very important part of our success. We highly appreciate the contribution of the members of the Program Committee, as well as others who reviewed all the submitted papers with e?ciency and dedication.