1. Record Nr. UNINA9910483539203321

| | |
|---|---|
| Titolo | Fuzzy Systems and Knowledge Discovery : Second International Conference, FSKD 2005, Changsha, China, August 27-29, 2005, Proceedings, Part II / / edited by Lipo Wang, Yaochu Jin |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005 |
| ISBN | 3-540-31828-3 |
| Edizione | [1st ed. 2005.] |
| Descrizione fisica | 1 online resource (L, 1312 p.) |
| Collana | Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 3614 |
| Altri autori (Persone) | WangLipo<br>JinYaochu <1966-> |
| Disciplina | 006.33 |
| Soggetti | Computer science<br>Artificial intelligence<br>Machine theory<br>Algorithms<br>Computer vision<br>Theory of Computation<br>Artificial Intelligence<br>Formal Languages and Automata Theory<br>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 | Dimensionality Reduction -- Pattern Recognition and Trend Analysis -- Other Topics in FSKD Methods -- Mining of Spatial, Textual, Image and Time-Series Data -- Fuzzy Systems in Bioinformatics and Bio-medical Engineering -- Fuzzy Systems in Expert System and Informatics -- Fuzzy Systems in Pattern Recognition and Diagnostics -- Knowledge Discovery in Bioinformatics and Bio-medical Engineering -- Knowledge Discovery in Expert System and Informatics -- Active Information Gathering on the Web -- Neural and Fuzzy Computation in Cognitive Computer Vision -- Erratum. |
| Sommario/riassunto | This book and its sister volume, LNAI 3613 and 3614, constitute the proce- ings of the Second International Conference on Fuzzy Systems |

and Knowledge Discovery (FSKD 2005), jointly held with the First International Conference on Natural Computation (ICNC 2005, LNCS 3610, 3611, and 3612) from - gust 27–29, 2005 in Changsha, Hunan, China. FSKD 2005 successfully attracted 1249 submissions from 32 countries/regions (the joint ICNC-FSKD 2005 received 3136 submissions). After rigorous reviews, 333 high-quality papers, i. e. , 206 long papers and 127 short papers, were included in the FSKD 2005 proceedings, r- resenting an acceptance rate of 26. 7%. The ICNC-FSKD 2005 conference featured the most up-to-date research - sults in computational algorithms inspired from nature, including biological, e- logical, and physical systems. It is an exciting and emerging interdisciplinary area in which a wide range of techniques and methods are being studied for dealing with large, complex, and dynamic problems. The joint conferences also promoted cross-fertilization over these exciting and yet closely-related areas, which had a signi?cant impact on the advancement of these important technologies. Speci?c areas included computation with words, fuzzy computation, granular com- tation, neural computation, quantum computation, evolutionary computation, DNA computation, chemical computation, information processing in cells and tissues, molecular computation, arti?cial life, swarm intelligence, ants colony, arti?cial immune systems, etc. , with innovative applications to knowledge d- covery, ?nance, operations research, and more.