Record Nr. UNISA996465538303316 Bio-Inspired Systems: Computational and Ambient Intelligence **Titolo** [[electronic resource]]: 10th International Work-Conference on Artificial Neural Networks, IWANN 2009, Salamanca, Spain, June 10-12, 2009. Proceedings, Part I / / edited by Joan Cabestany, Francisco Sandoval, Alberto Prieto, Juan Manuel Corchado Rodríguez Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa 2009 **ISBN** 1-280-38305-4 9786613560964 3-642-02478-5 Edizione [1st ed. 2009.] 1 online resource (LXVI, 1356 p.) Descrizione fisica Collana Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5517 004 Disciplina Soggetti **Bioinformatics** Pattern recognition systems Artificial intelligence Data mining Computer science Computational and Systems Biology **Automated Pattern Recognition** Artificial Intelligence Data Mining and Knowledge Discovery Models of Computation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Theoretical Foundations and Models -- Learning and Adaptation --Self-organizing Networks, Methods and Applications -- Fuzzy Systems -- Evolutionary Computation and Genetic Algoritms -- Pattern Recognition -- Formal Languages in Linguistics -- Agents and Multiagent on Intelligent Systems -- Brain-Computer Interface (BCI) --

Multiobjetive Optimization -- Robotics -- Bioinformatics -- Biomedical Applications -- Ambient Assisted Living (AAL) and Ambient Intelligence

## (AI) -- Other Applications.

## Sommario/riassunto

This book constitutes the refereed proceedings of the 10th International Work-Conference on Artificial Neural Networks, IWANN 2009, held in Salamanca, Spain in June 2009. The 167 revised full papers presented together with 3 invited lectures were carefully reviewed and selected from over 230 submissions. The papers are organized in thematic sections on theoretical foundations and models; learning and adaptation; self-organizing networks, methods and applications; fuzzy systems; evolutionary computation and genetic algoritms; pattern recognition; formal languages in linguistics; agents and multi-agent on intelligent systems; brain-computer interfaces (bci); multiobjetive optimization; robotics; bioinformatics; biomedical applications; ambient assisted living (aal) and ambient intelligence (ai); other applications.