

1. Record Nr.	UNINA9910485147203321
Titolo	Advances in Neuro-Information Processing : 15th International Conference, ICONIP 2008, Auckland, New Zealand, November 25-28, 2008, Revised Selected Papers, Part I // edited by Mario Köppen, Nikola Kasabov, George Coghill
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-02490-4
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (LXXVI, 1257 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5506
Altri autori (Persone)	KoppenMario <1964-> KasabovNikola K CoghillGeorge
Disciplina	006.32
Soggetti	Computer networks Computer science Artificial intelligence Computers, Special purpose Computer simulation Computer Communication Networks Theory of Computation Artificial Intelligence Models of Computation Special Purpose and Application-Based Systems Computer Modelling
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	INNS Symposium "New Directions in Neural Networks" -- Neurodynamics -- Cognitive Neuroscience -- Bioinformatics -- Special Session: Data Mining Methods for Cybersecurity -- Special Session: Computational Models and Their Applications in Machine Learning and Pattern Recognition -- Special Session: Recent Advances in Brain-Inspired Technologies for Robotics -- Special Session: Lifelong Incremental Learning for Intelligent Systems -- Special Session:

Dynamics of Neural Networks -- Special Session: Applications of Intelligent Methods in Ecological Informatics -- Special Session: Pattern Recognition from Real-World Information by SVM and Other Sophisticated Techniques -- Special Session: Neural Information Processing in Cooperative Multi-robot Systems -- WORKSHOP: Hybrid and Adaptive Systems for Real-Time Robotics Vision and Control -- WORKSHOP: Neurocomputing and Evolving Intelligence – NCEI 2008.

Sommario/riassunto

The two volume set LNCS 5506 and LNCS 5507 constitutes the thoroughly refereed post-conference proceedings of the 15th International Conference on Neural Information Processing, ICONIP 2008, held in Auckland, New Zealand, in November 2008. The 260 revised full papers presented were carefully reviewed and selected from numerous ordinary paper submissions and 15 special organized sessions. 116 papers are published in the first volume and 112 in the second volume. The contributions deal with topics in the areas of data mining methods for cybersecurity, computational models and their applications to machine learning and pattern recognition, lifelong incremental learning for intelligent systems, application of intelligent methods in ecological informatics, pattern recognition from real-world information by svm and other sophisticated techniques, dynamics of neural networks, recent advances in brain-inspired technologies for robotics, neural information processing in cooperative multi-robot systems.
