1. Record Nr. UNISA996465303503316

Titolo	Neural Information Processing [[electronic resource]] : 14th International Conference, ICONIP 2007, Kitakyushu, Japan, November 13-16, 2007, Revised Selected Papers, Part I / / edited by Masumi Ishikawa, Kenji Doya, Hiroyuki Miyamoto, Takeshi Yamakawa
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-69158-8
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XXX, 1147 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4984
Disciplina	006.3
Soggetti	Artificial intelligence Computer science Pattern recognition systems Application software Database management Computer vision Artificial Intelligence Theory of Computation Automated Pattern Recognition Computer and Information Systems Applications Database Management 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	Computational Neuroscience -- Learning and Memory -- Neural Network Models -- Supervised/Unsupervised/Reinforcement Learning -- Statistical Learning Algorithms -- Optimization Algorithms -- Novel Algorithms -- Motor Control and Vision.
Sommario/riassunto	The two volume set LNCS 4984 and LNCS 4985 constitutes the thoroughly refereed post-conference proceedings of the 14th International Conference on Neural Information Processing, ICONIP 2007, held in Kitakyushu, Japan, in November 2007, jointly with

BRAINIT 2007, the 4th International Conference on Brain-Inspired Information Technology. The 228 revised full papers presented were carefully reviewed and selected from numerous ordinary paper submissions and 15 special organized sessions. The 116 papers of the first volume are organized in topical sections on computational neuroscience, learning and memory, neural network models, supervised/unsupervised/reinforcement learning, statistical learning algorithms, optimization algorithms, novel algorithms, as well as motor control and vision. The second volume contains 112 contributions related to statistical and pattern recognition algorithms, neuromorphic hardware and implementations, robotics, data mining and knowledge discovery, real world applications, cognitive and hybrid intelligent systems, bioinformatics, neuroinformatics, brain-conputer interfaces, and novel approaches.