Record Nr.	UNISA996466070303316
Titolo	Bio-Inspired Applications of Connectionism [[electronic resource]] : 6th International Work-Conference on Artificial and Natural Neural Networks, IWANN 2001 Granada, Spain, June 13-15, 2001, Proceedings, Part II / / edited by Jose Mira, Alberto Prieto
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45723-2
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (LIV, 852 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2085
Disciplina	573.8
Soggetti	Artificial intelligence
	Computers
	Algorithms
	Neurosciences
	Neurology
	Bioinformatics
	Computational biology
	Artificial Intelligence
	Computation by Abstract Devices
	Algorithm Analysis and Problem Complexity Neurology
	Computer Appl. in Life Sciences
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	Bio-inspired Systems and Engineering Methodology for Nets Design, Nets Simulation and Implementation Image Processing Medical Applications Robotics General Applications.
Sommario/riassunto	Underlying most of the IWANN calls for papers is the aim to reassume some of the motivations of the groundwork stages of biocybernetics and the later bionics formulations and to try to reconsider the present value of two basic questions. The?rstoneis: "Whatdoesneurosciencebringintocomputation(thenew bionics)?" That is

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to say, how can we seek inspiration in biology? Titles such as "computational intelligence", "arti?cial neural nets", "genetic algorithms", "evolutionary hardware", "evolutive architectures", "embryonics", "sensory n- romorphic systems", and "emotional robotics" are representatives of the present interest in "biological electronics" (bionics). Thesecondquestionis:

"Whatcanreturncomputationtoneuroscience(the new neurocybernetics)?" That is to say, how can mathematics, electronics, c- puter science, and arti?cial intelligence help the neurobiologists to improve their experimental data modeling and to move a step forward towards the understa- ing of the nervous system? Relevant here are the general philosophy of the IWANN conferences, the sustained interdisciplinary approach, and the global strategy, again and again to bring together physiologists and computer experts to consider the common and pertinent questions and the shared methods to answer these questions.