

<<神经计算进展 Advances in>>

图书基本信息

书名：<<神经计算进展 Advances in natural computation>>

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作者：Licheng Jiao 著

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## 内容概要

The two volume set LNCS 4221 and LNCS 4222 constitutes the refereed proceedings of the Second International Conference on Natural Computation, ICNC 2006, held in Xi'an, China, in September 2006 as a joint event in federation with the Third International Conference on Fuzzy Systems and Knowledge Discovery FSKD 2006 (LNAI 4223). After a demanding review process 168 carefully revised full papers and 86 revised short papers were selected from 1915 submissions for presentation in two volumes. The first volume includes 130 papers related to artificial neural networks, natural neural systems and cognitive science, neural network applications, as well as evolutionary computation: theory and algorithms. The 124 papers in the second volume are organized in topical sections on other topics in natural computation, natural computation techniques applications, hardware, and cross-disciplinary topics.

书籍目录

Other Topics in Natural Computation    Simulation and Investigation of Quantum Search Algorithm System  
  Quantum Integration Error for Some Sobolev Classes    Quantum ANDOS Protocol with Unconditional  
Security    A Novel Immune Clonal Algorithm    Secure Broadcasting Using the Secure Quantum Lock in Noisy  
Environments    Simulation of Quantum Open-Loop Control Systems on a Quantum Computer    An  
Optimization Algorithm Inspired by Membrane Computing    A Mapping Function to Use Cellular Automata for  
Solving MAS Problems    A Novel Clonal Selection for Multi-modal Function Optimization    Grid Intrusion  
Detection Based on Immune Agent    A Novel Artificial Immune Network Model and Analysis on Its Dynamic  
Behavior and Stabilities    Immune Algorithm Optimization of Membership Functions for Mining Association  
Rules    Immune Clonal MO Algorithm for ZDT Problems    Family Gene Based Grid Trust Model    Immune  
Clonal Strategies Based on Three Mutation Methods    A High Level Stigmergic Programming Language  
  Application of ACO in Continuous Domain    Information Entropy and Interaction Optimization Model Based  
on Swarm Intelligence    PSO with Improved Strategy and Topology for Job Shop Scheduling  
  Virus-Evolutionary Particle Swarm Optimization Algorithm    Intelligent Particle Swarm Optimization  
Algorithm and Its    Application in Optimal Designing of LPG Devices for Optical    Communications Fields  
  The Kalman Particle Swarm Optimization Algorithm and Its    Application in Soft-Sensor of Acrylonitrile Yield  
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...Natural Computation Techniques ApplicationsHardwareCross-Disciplinary Topics

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