<< 人工神经网络-ICANN 2002/ Artificial neural networks>>

13 ISBN   9783540440741

10 ISBN   3540440747

出版时间：2002-12

版次：1 (2002 10 1)

作者：Jose R. Dorronsoro

页数：1382

封面图片PDF

更多资源请访问：http://www.tushu007.com

This book constitutes the refereed proceedings of the International Conference on Artificial Neural Networks, ICANN 2002, held in Madrid, Spain in August 2002. The 221 revised papers presented were carefully reviewed and selected from more than 450 submissions. The book presents parts on computational neuroscience, connectionist cognitive science, data analysis and pattern recognition, kernel methods, robotics and control, selforganization, signal and time series analysis, and vision and image processing.

Computational Neuroscience A Neurodynamical Theory of Visual Attention: Comparisons with fMRI- and Single-Neuron Data A Neural Model of Spatio Temporal Coordination in Prehension Stabilized Dynamics in Physiological and Neural Systems Despite Strongly Delayed Feedback Learning Multiple Feature Representations from Natural Image Sequences Analysis of Biologically Inspired Small-World Networks Receptive Fields Similar to Simple Cells Maximize Temporal Coherence in Natural Video Noise Induces Spontaneous Synchronous Aperiodic Activity in EI Neural Networks Multiple Forms of Activity-Dependent Plasticity Enhance Information Transfer at a Dynamic Synapse Storage Capacity of Kernel Associative Memories Macrocolumns as Decision Units Nonlinear Analysis of Simple Cell Tuning in Visual Cortex Clustering within Integrateiand-Fire Neurons for Image Segmentation Symmetry Detection Using Global-Locally Coupled Maps Applying Slow Feature Repertoire of Complex Analysis to Image Cell Properties Sequences Yields a Rich Combining Multimodal Sensory Input for Spatial Learning A Neural Network Model Generating Invariance for Visual Distance Modeling Neural Control of Locomotion: Integration of Reflex Circuits with CPG Comparing the Information Encoded by Different Brain Areas with Functional hnaging Techniques Mean-Field Population Dynamics of Spiking Neurons with Random Synaptic Delays Stochastic Resonance and Finite Resolution in a Network of Leaky Integrate-and-Fire Neurons Reducing Communication for Distributed Learning in Neural Networks Flow Diagrams of the Quadratic Neural Network Dynamics of a Plastic Cortical Network Non-monotonic Current-to-Rate Response Function in a Novel Integrate-and-Fire Model Neuron Small-World Effects in Lattice Stochastic Diffusion Search……Cinnectionist Cognitive ScienceData Analysis and Pattern RecognitionKernel MethodsRobtics and ControlSelforganizationSignal and Time Series AnalysisVision and Image ProcessingSpecial Session:Adaptivity in Neural ComputationSpecial Session:Recurrent Nerural SystemsAuthor Index

Page 4

PDF

:http://www.tushu007.com