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Disciplina	006.3 620
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sparse Bayesian ELM handling with missing data for multi-class classification -- A Fast Incremental Method Based on Regularized Extreme Learning Machine -- Parallel Ensemble of Online Sequential Extreme Learning Machine Based on MapReduce -- Explicit Computation of Input Weights in Extreme Learning Machines -- Subspace Detection on Concept Drifting Data Stream -- Inductive Bias for Semi-supervised Extreme Learning Machine -- ELM based Efficient Probabilistic Threshold Query on Uncertain Data -- Sample-based Extreme Learning Machine Regression with Absent Data -- Two Stages Query Processing Optimization based on ELM in the Cloud -- Domain Adaption Transfer Extreme Learning Machine -- Quasi-linear extreme learning machine model based nonlinear system identification -- A novel bio-inspired image recognition network with extreme learning machine -- A Deep and Stable Extreme Learning Approach for Classification and Regression -- Extreme Learning Machine Ensemble Classifier for Large-scale Data -- Pruned Extreme Learning Machine Optimization based on RANSAC Multi Model Response Regularization

-- Learning ELM network weights using linear discriminant analysis --  
An Algorithm for Classification over Uncertain Data based on Extreme  
Learning Machine -- Training Generalized Feedforward Kernelized  
Neural Networks on Very Large Datasets for Regression Using Minimal-  
Enclosing-Ball Approximation -- An Online Multiple Model Approach to  
Improve Performance in Univariate Time-Series Prediction -- A Self-  
organizing Mixture Extreme Learning Machine for Time Series  
Forecasting -- A Robust AdaBoost.RT based Ensemble Extreme  
Learning Machine -- Machine learning reveals different brain activities  
during TOVA test -- Online Sequential Extreme Learning Machine with  
New Weight-setting Strategy for Non stationary Time Series Prediction  
-- RMSE-ELM: Recursive Model based Selective Ensemble of Extreme  
Learning Machines for Robustness Improvement -- Extreme Learning  
Machine for Regression and Classification Using L1-Norm and L2-Norm  
-- A Semi-supervised Online Sequential Extreme Learning Machine  
Method -- ELM feature mappings learning: Single-hidden-layer feed  
forward network without output weight -- ROS-ELM: A Robust Online  
Sequential Extreme Learning Machine for Big Data -- Deep Extreme  
Learning Machines for Classification -- C-ELM: A Curious Extreme  
Learning Machine for Classification Problems -- Review of Advances in  
Neural Networks: Neural Design Technology Stack -- Applying  
Regularization Least Squares Canonical Correction Analysis in Extreme  
Learning Machine for multi-label classification problems -- Least  
Squares Policy Iteration based on Random Vector Basis -- Identifying  
Indistinguishable Classes in Multi-class Classification Data Sets using  
ELM -- Effects of Training Datasets on both the Extreme Learning  
Machine and Support Vector Machine for Target Audience Identification  
on Twitter -- Extreme Learning Machine for Clustering.

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#### Sommario/riassunto

This book contains some selected papers from the International Conference on Extreme Learning Machine 2014, which was held in Singapore, December 8-10, 2014. This conference brought together the researchers and practitioners of Extreme Learning Machine (ELM) from a variety of fields to promote research and development of “learning without iterative tuning”. The book covers theories, algorithms and applications of ELM. It gives the readers a glance of the most recent advances of ELM. .

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