



NEUROCOMPUTING

Neurocomputing 70 (2006) 611-613

www.elsevier.com/locate/neucom

Subject index to volume 70, Nos. 1-3 (2006)

| 3D geometry | 327 | Dimensionality reduction | 62 |
|--|---------|--|-------------------|
| | | Direct inverse control | 559 |
| Adaptive learning factor | 525 | Direction of arrival (DOA) | 55 |
| Adaptive neuro-fuzzy inference system (ANFIS) | 296 | Discontinuity | 513 |
| Anomaly detection | 79 | Discrete and continuous | 119 |
| Array processing | 55 | Discrete and distributed delays | 314 |
| Artificial neural networks | 155 | DNA microarray | 187 |
| Auditory system | 3 | Document organization | 62 |
| Automatic selection | 173 | Dynamic behaviour | 35 |
| Autoregression | 139 | | |
| | | Economic dispatch | 119 |
| | 400 | EEG | 373 |
| Back-propagation algorithm | 489 | Emergent computation | 35 |
| Balanced parameterization | 206 | Ensemble | 187 |
| Bi-directional associative memory neural network | 273 | Entropy maximization | 229 |
| Bifurcation direction | 219 | Equilibrium point | 536 |
| Binary neural networks | 445 | ERD/ERS time course | 263 |
| Blind signal separation | 229 | Error correct coding | 130 |
| Blind source separation (BSS) | 55, 206 | Evaluation Evaluation | 105 |
| Breast cancer classification | 305 | | |
| | | Event-related EEG | 263 |
| Cellular automata | 35 | Evolutionary algorithms | 70 |
| Classical conditioning | 3 | Evolutionary multiobjective optimisation | 35 |
| Classification | 173 | Evolutionary neural networks | 44 |
| | 384 | Extreme learning machine | 489 |
| Clustering Cohen–Grossberg neural networks | 536 | | |
| Combination of feature spaces | | Feature adaptation | 398 |
| | 420 | Feedforward neural networks | 489 |
| Complexity indexes Kc and FSE | 263 | Ferromagnetic systems | 351 |
| Complexity | 351 | FIR filters | 568 |
| Computational neuroscience | 3 | Firing precision | 200 |
| Confidence intervals | 79 | Flexible neural tree model | 305 |
| Conformal mapping | 296 | Flexible-link manipulators | 288 |
| Constraint satisfaction | 119 | Forecasting | 79 |
| Constructive learning | 445 | Fraud detection | 79 |
| Contingency analysis | 105 | Full structure optimization | 592 |
| Convergence | 525 | Fuzzy control | 559 |
| Cooperative coevolution | 155 | • | |
| Correlation analysis | 187 | GABAergic inhibition | 200 |
| Cortical neural network | 327 | General regression neural network | 139 |
| Cortical plasticity | 3 | Generalised kernel model | 462 |
| | | Generalization | 544 |
| Data mining | 70 | Genetic algorithms | 44, 130, 384, 409 |
| Day-ahead forecasting | 409 | Genetic argorithms Genetic programming | 305 |
| | | | 303 445 |
| Delay differential equations | 219 | Geometrical learning | |
| Density classification task | 35 | Global asymptotic stability | 314, 603 |
| Deterministic discrete time system | 362 | Global exponential stability | 164, 314, 343 |

| Globally exponential stability | 536 | Neural fuzzy networks | 559 |
|--|---------------|---|------------------|
| Gradient learning | 229 | Neural networks 55, 79, 105, 164, 219, 288, 343 | 3, 373, 544, 597 |
| Grid-state | 502 | Neuro-ensemble | 155 |
| | | Neuron ensemble | 252 |
| Halanay's inequality | 273 | Newton optimization | 475 |
| | 263 | Non-flat function | 420 |
| Hand motor imagery | | Non-linear error | 9 |
| Hebbian and anti-Hebbian learning | 603 | Non-stationary problems | 44 |
| Hidden layer error function | 525 | Nondominated sorting genetic algorithm | 35 |
| Hidden weight optimization (HWO) | 525 | Nonlinear equations and inequalities | 513 |
| Hodgkin–Huxley model | 252 | Nonuniqueness | 513 |
| Homotopic mapping theory | 536 | | 79 |
| Hopf bifurcation | 219 | Novelty detection | 19 |
| Hopfield neural networks | 119 | Oio's learning election | 362 |
| Hybrid ANN/HMM | 398 | Oja's learning algorithm | |
| | | Olfaction | 200 |
| ICP | 597 | Olfactory bulb | 200 |
| | 206, 229, 280 | Online gradient descent | 475 |
| Individual trials | 373 | Open electricity market | 409 |
| Instantaneous topological map | 21 | Optimisation | 119 |
| Intrusion detection system | 305 | Orthogonal least squares forward selection | 462 |
| | | | |
| Inverse training scheme | 502 | Parallel algorithm | 93 |
| | | Parity | 351 |
| Jacobian matrix | 544 | Particle swarm optimization | 241 |
| | | Pattern recognition | 475 |
| Kernels | 173 | Perceptrons | 351 |
| | | Performance index | 105 |
| Learning acceleration | 21 | Periodic solution | 164, 343 |
| Learning | 351 | Policy iteration | 577 |
| Least mean square | 9 | Population model | 252 |
| Linear matrix inequality | 273, 314 | Primal neural network | 513 |
| Linear stability | 219 | Principal component analysis | 362 |
| Linear system identification | 568 | Propylene polymerization | 280 |
| Linearly separablility | 445 | Pruning | 544 |
| Load forecast | 139 | Truning | 544 |
| Loss function | 420 | O TENA 1 | 206 |
| | | Quasi-TEM characteristics | 296 |
| LVQ1 algorithm | 475 | | |
| Lyapunov functional | 273, 536 | Radial basis function network | 280 |
| Lyapunov theory | 288 | Radial basis function neural networks | 241 |
| Lyapunov-Krasovskii functional | 314 | Radial basis probabilistic neural networks | 592 |
| | | Random node | 489 |
| Memetic algorithm | 305 | Rank deficiency | 544 |
| Mesh PCA | 597 | Ranking | 105 |
| Message passing interface (MPI) | 93 | Reaction-diffusion terms | 536 |
| Microshield lines | 296 | Real-time learning | 489 |
| Minimum effort inverse kinematics | 513 | Recurrent fuzzy networks | 559 |
| Minimum volume covering hyperspheres algorithm | 592 | Recurrent neural networks | 139, 577 |
| Mixture of experts | 155 | Refractory density equation | 252 |
| Model inversion | 398 | Regression | 462 |
| Modelling neural morphology | 327 | Regularization | 409 |
| MS CMAC | 502 | Reinforcement learning | 14, 21 |
| Multi-layer neural networks. | 445 | Resolution | 139 |
| Multi-layer perceptron | 105, 139 | Rule extraction from neural networks | 384 |
| | | Rule extraction from ficural fictworks | 304 |
| Multi-scale analysis | 280 420 | Saturation | 525 |
| Multi-scale support vector regression | | | |
| Multi-step prediction | 577 | Scale | 139 |
| Multichannel blind deconvolution | 206 | Screening | 105 |
| Multiple models | 430 | Self-generation | 241 |
| | | Self-organizing map | 21, 62 |
| Nearest neighbour classifiers | 475 | Semantic mapping | 62 |
| NeuGen | 327 | Sensitivity | 351 |
| Neural control | 430 | Sequence learning | 577 |
| | | | |

| Sequential minimal optimization (SMO) | 93 | Tikhonov regularization | 373 |
|---------------------------------------|-------------------|---------------------------|----------|
| Sliding mode control | 288 | Time series | 79, 139 |
| Sparse modelling | 462 | Time-varying delays | 273, 343 |
| Sparse random mapping | 62 | Total least square method | 568 |
| Sparse representation | 420 | | |
| Speech recognition | 398 | Unit commitment | 119 |
| Spike response model | 14 | | |
| Spiking neurons | 14, 200 | XX : 11 | 2.42 |
| Stability | 273, 430 | Variable coefficients | 343 |
| State space | 206 | Varying delay | 164 |
| Stochastic generation | 327 | Vector quantization | 130 |
| Stochastic neural networks | 314 | Vehicle routing | 70 |
| Support vector machine (SVM) | 93, 173, 462, 489 | Voltage and MW ranking | 105 |
| Surface registration | 597 | | |
| | | Wavelet transform | 139 |
| Temperature control | 559 | | |
| Threshold model | 252 | Xu's learning algorithm | 362 |