

Keyword Index of Journal of Advanced Computational Intelligence and Intelligent Informatics Volume 10

A

acceptance criteria372
 accumulated reasoning time.....207
 active relation939
 adaptation to information.....60
 adaptive control542
 adaptive system510
 adaptive tuning84
 aggregation operator.....522
 AHP219
 aluminum die casting281
 annotated logic program647
 applications.....432
 application software manual811
 association rules102,287,954
 attribute value666
 authorization rule721
 automatic vision inspection.....281
 autonomous mobile robot181
 autonomous robotic system173
 autonomous walking form
 transition.....60

B

behavior based system510
 behavior network.....728
 belief operators.....517
 biomedical applications.....145
 biomedical classification498
 biomolecular computing.....77
 block diagram.....168
 boundary region657
 breast cancer.....145
 breast self-examination145

C

caching.....713
 camera motion parameters150
 cardiology472
 cation196
 causal model.....432
 cause168
 classification69
 clustering69,136
 collaborative and cooperative
 scheduling.....479
 collaborative filtering850

combination of evidence.....372
 common sense.....868
 complex number expression for
 rotation matrix.....150
 complex systems265
 computation model.....245
 computation tree logic931
 concept analysis606
 concept comparison.....606
 conceptual fuzzy sets859
 conditional probability relation.....939
 consistency713
 constraint handling rule339
 content-based filtering850
 content based image retrieval136
 Context Base791
 continuous domain465
 contour evolution.....362
 control.....161
 convex decomposition.....486
 copula522
 CORBA173
 correspondence matching.....11

D

database419
 data mining.....102,954
 data mining and knowledge
 discovery.....287
 decision-making372
 decision making219
 decision rule682
 decision support system.....458
 dedicated hardware.....112
 deductive database.....270
 defeasible deontic reasoning647
 defuzzification219
 design procedure35
 diagnostics168
 discernibility666
 discernibility functions.....695
 distance education504
 distributed components173
 driving-range golf ball retrieval
 robot181
 dual isomorphism.....606
 dual scaling451
 dynamic service selection728

E

e-learning.....432
 economic education.....432
 electrospin196
 elevator group supervisory control
 system.....385
 ellipse detection.....409
 equivalent transformation
245,270,302,349
 equivalent transformation rule ...339
 everyday-language computing ...802
 everyday language.....821
 everyday language computing ...773
 evolutionary computation
102,385,555,954
 evolutionary pipeline.....112
 expert systems332,586
 Extended Vector Annotated Logic
 Program with Strong Negation
 (EVALPSN).....647

F

face detection93
 fault metrics.....312
 fault prediction and identification
312
 feature abstraction594
 feature extraction.....69
 feed-forward neural networks....567
 flexible inverted pendulum problem
155
 floating basis vector representation
542
 floorplanning112
 formal verification.....931
 framework.....161
 functional localization.....385,555
 fusion axis121
 fuzzy AHP.....219
 fuzzy approximate reasoning534
 fuzzy approximator225
 fuzzy association rules287
 fuzzy c-means673
 fuzzy configuration space26
 fuzzy controller84
 Fuzzy CSP.....465
 fuzzy directional relation444

fuzzy inference method.....594
 fuzzy logic.....50
 fuzzy logic controller.....444,913
 fuzzy measure522
 fuzzy membership function594
 fuzzy model-based control.....3
 fuzzy modeling.....121
 fuzzy pattern recognition419
 Fuzzy Polynomial Neuron35
 fuzzy proximity measure26
 fuzzy quantification analysis.....451
 fuzzy ratings.....219
 fuzzy sets.....946
 fuzzy spatial relationship444
 fuzzy techniques.....549

G

g-calculus.....534
 GA921
 game theory323
 Gauss-Hermite expansion567
 generalized possibility measure .625
 genetic algorithm.....50,112,155,409
 genetic algorithms35,281
 genetically optimized Fuzzy
 Polynomial Neural Networks
 (gFPNN)35
 genetic network programming
102,385,555,954
 geometric fragmentation409
 gesture recognition395
 global plan.....791
 GPRS752
 gradient descent search84
 granular computing666
 group decision support.....479
 Group Method of Data Handling 35
 GSM752

H

Haar wavelets69
 has-a relation612
 Hermite polynomials.....567
 high dynamic range images549
 histogram.....913
 holistic recognition of arabic
 handwritten words.....17
 human-computer interaction838
 human-machine interaction868
 human interface.....838
 hybrid dynamical systems.....265
 hybrid expert system.....472
 hybrid systems.....161
 hypothesis testing.....260

I

image contour detection.....527,761
 image processing.....549,594
 image reproduction549
 imperfect information.....633

indistinguishability633
 infatuation operators.....517
 inference77
 information design688
 integrated model object.....510
 integrity constraint270
 integrity constraints744
 intention reasoning838
 interactive video145
 interdependencies265
 Internet-based higher education.504
 interpretability121
 interpretation beyond a
 clause/sentence876
 interpretation of dependency
 relation.....876
 interpretation within a
 clause/sentence876
 ion exchange.....196
 is-a relation.....612
 iterative improvement.....465

J

Japanese sentence.....302

K

Kansei analysis.....666
 knowledge acquisition.....472
 knowledge based neural networks
17
 knowledge extraction295
 knowledge representation.....77,586

L

language-based application systems
773
 leader election algorithms752
 learning.....419
 learning controllers.....155
 level set methods.....362
 library data451
 linguistic expression.....830
 linguistic feature.....811
 linguistic metaphor.....838
 lower approximation657
 low resolution.....93

M

machining center.....187
 MATLAB Tool.....419
 max-product approximation
 operators494
 maximum attractor522
 membership attribute.....633
 membership function.....913
 micro-scale187
 miniaturization.....187
 minimal rules.....695
 mixed transfer functions295
 mobile computing752

mobile robot.....26,444
 multi-agent systems.....161,517
 Multi-Layer Perceptron.....35
 multi-rough set625
 multiple hierarchy606
 multithreaded models.....26
 multivalued logic.....586

N

nanofiber.....196
 natural language processing.....302
 natural language understanding
782,876
 negative filtering.....527,761
 network paging latency752
 neural-network model498
 neural network.....395
 neural networks295,312,472
 neural network vision.....181
 neuro-fuzzy.....60
 neuro-symbolic combination.....17
 non-deterministic information...695
 non-linear control design486
 nondeterministic program349
 nonlinear control542
 normalization913

O

object721
 object-orientation.....612
 object extraction362
 objective function.....409
 object reconfiguration234
 occlusion.....11
 off-line handwriting recognition 682
 ontology merging733
 opposite action578
 opposite state.....578
 optimization.....465,921
 optimization problem673
 ordered weighted average372
 oriental medicine458

P

paraphrasing811,821,830
 partial differential equations (PDE)
362
 passive relation.....939
 path planning.....26
 pattern recognition395,682
 performance.....713
 personalization.....850
 pipeline valve control.....647
 placement algorithm.....323
 planning173
 polymodal system625
 polyominoes323
 polystyrene196
 positive and negative association
 rules287

possibility-based fuzzy relational model633
 precision manufacturing187
 prediction419
 predictive model312
 preference learning850
 printing pressure control594
 product change management510
 product modeling510
 program correctness245
 program generation821
 programming830
 program synthesis245
 proximity relation946

Q

Q-learning578
 QoS705
 QoS-Constraints705
 QoS-IC705
 QoS Manager705
 qualitative simulation432
 qualitative uncertainty586
 quantum harmonic oscillator567
 query evaluation738,744

R

radial base function network498
 RasID921
 RBF neural networks458
 real-coded genetic algorithm385
 recommendation850
 rectilinear jigsaw puzzle323
 recursive expression207
 reduct657
 reduction666
 reinforcement learning84,578
 relative sigma count946
 relocation913
 rhetorical structure811,821
 robot234
 robotics173
 robot navigation444
 rough set612,939
 rough sets621,688,695
 rule-based computation245

S

safety verification647

Schrödinger's diffusion equation567
 sector nonlinearity3
 self-organization395
 semantic ambiguity633
 semantic matching802
 semantic networks77
 semantic preservation270
 semantic query optimization270
 semantic representation876
 Semiotic Base773,782,791,802
 sense of value688
 sequence pair112
 shape recovery11
 Shepard approximation494
 similarity measure946
 simulated annealing234
 simulated data260
 singular perturbation225
 smart help811
 software agentification802
 software fault312
 speedup of hypothetical reasoning207
 state observer225
 statistical pattern recognition419
 strong/weak temporal order relation931
 student assessment372
 subclass method682
 subject721
 support vector machine498
 surface defect recognition281
 switching921
 switching fuzzy model3
 switching Lyapunov function3
 symbolic probability586
 symptom168
 Systemic Functional Linguistics773,791
 systemic functional linguistic theory782,802
 system stability225

T

taxonomy606
 temporal formula specification931
 termination349
 text generation791
 text mining451

text retrieval technique136
 text understanding and generation773
 threat analysis265
 time-series pattern395
 time series69
 tolerance673
 tone reproduction549
 tool for rule generation695
 topology621
 TP model transformation486
 traffic sign detection409
 transformation of copula522
 tree pattern queries738,744

U

upper approximation657

V

variable precision rough set657
 velocity control60
 video object plane (VOP)362
 virtual classroom504
 virtualization713
 virtual reality145
 visual feature array527,761
 visualization121
 visual navigation150
 voice disorders332
 voting11
 vulnerability265

W

web-mining868
 web screen-design688
 Web service composition728
 web services713
 WordNet733
 word sense disambiguation859
 work scheduling50

X

XML document721
 XML documents738,744
 XML security721
 Xpath expressions738,744