
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS

SUBJECT INDEX TO VOLUME 3

- Adaptive fuzzy logic based control systems (FLCSs), 165
Advertising strategy, 107
Approximate reasoning, 273
Artificial intelligence, 229
- Backward reasoning, 107
- Cerebellar model arithmetic computer (CMAC) neural networks, 87
Certainty factor, 107
Connectives, 189
Cooperative control, 239
Control, 229
Creative approach, 107
- Dairy product industry, 107
Data training, 131
Decision making, 317
- Eddy current signal, 215
Event-synchronous signal inspection, 215
- Fault detection, 197
Fault diagnosis, 197
Feed forward neural network, 287
Forecasting, 287
Forward reasoning, 107
Frame-tree knowledge representation, 107
Functional approximation, 273
Fuzzy, 189
Fuzzy associative memory, 273
Fuzzy control, 145, 295
Fuzzy controllers, 71, 87, 155, 165
- Fuzzy excitation controller, 155
Fuzzy expected payoffs, 305
Fuzzy expert system, 261
Fuzzy inference rules, 181
Fuzzy logic control, 43
Fuzzy logic, 1, 21, 31, 43, 131
Fuzzy marking variables, 3
Fuzzy measures, 247
Fuzzy models, 117
Fuzzy/neuro hybrid approach, 215
Fuzzy Petri nets (FPN), 3
Fuzzy predictive controller, 117
Fuzzy rules, 59, 273
Fuzzy syntactic pattern recognition, 215
- Global fuzzy variables, 3
- Heuristic approach, 107
Hierarchical control, 21
High-order fuzzy system, 131
Hybrid approach, 261
Hybrid intelligent system, 215
- Image analysis, 247
Implication, 189
Inductive learning, 117
Inductive reasoning, 71
- Load forecasting, 261
Local fuzzy variables, 3
Locomotion, 229
Logic, 189
Media selection, 107
Model-free tuning, 59
Motion frame analysis, 247

- Neural network, 1, 31, 87, 131, 165, 197, 215, 261
Nonlinear PD control, 145
Nonlinear servomotor model, 145
Nonlinear system, 181
Nuclear plant, 197
- Object identification, 305
- Parameter identification, 197
Pattern recognition, 237
PID controllers, 43, 59, 71
Power system applications, 155, 239
Probabilistic, 189
- Quasi-Newton, 287
- Robotic manipulators, 21
Robotic mining excavation, 31
Rough sets, 117
- Signal understanding, 215
Sliding mode control, 239
State feedback, 295
Supervised learning, 273
Systematic knowledge acquisition, 107
- Transient stability, 239
Transport systems, 229
- Uncertainty, 3, 317
- Water-for-injection (WFI) system, 43