

with the development of the next generation of intelligent systems. A fundamental stimulus to the investigations of Hybrid Intelligent Systems (HIS) is the awareness in the academic communities that combined approaches will be necessary if the remaining tough problems in artificial intelligence are to be solved. Recently, hybrid intelligent systems are getting popular due to their capabilities in handling several real world complexities involving imprecision, uncertainty and vagueness. Current research interests in this field focus on integration of the different computing paradigms like fuzzy logic, neurocomputation, evolutionary computation, probabilistic computing, intelligent agents, machine learning, other intelligent computing frameworks and so on. The phenomenal growth of hybrid intelligent systems and related topics has created the need for this International conference as a venue to present the latest research. HIS03 builds on the success of last year's. HIS02 was held in Santiago, Chile, 01–04, December 2002 and attracted participants from over 26 countries. HIS03, the Third International Conference on Hybrid Intelligent Systems, took place in Melbourne, Australia, December 14–17, 2003.

Neural Networks
A Soft Computing Approach
Combinatorial Optimisation
Function
Forecasting with a Limited Amount of Data
Scheduling Problem
of MLP
Theory and Time Delayed Neural Network
Self-Organizing Maps
Classifier Learning
Algorithm
Algorithm
Incomplete Databases
Mobile Robot Control System
Networks
Deterministic Prediction
Matching
Constraint of Contiguity
MCRDR
of Black Fabrics
Algorithm/KNN Approach
Fuzzy C-means Clustering
Applications
Reliance of Data in Large Databases
Sequences
Distributions
Multi-Sequence of Event Data
Intelligent Agents in Distributed Simulations
Probes
Maps
Networks Using Artificial Intelligence
Two-dimensional Geometrical Figures
Fitting
Nose
Writer Identification
Mining Techniques for Rule Pre-screening
Servers
Blocks to Create a Custom Made System Management Tool
Business Intelligence System
Neural Networks and Particle Swarm Optimization
Operation
Positioning