

International Journal of

Machine Intelligence and Sensory Signal Processing

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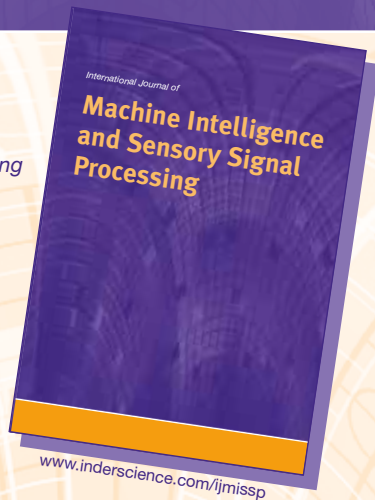
Scope of the Journal

ISSN: 2048-9161 (Print), ISSN: 2048-917X (Online)

IJMISPP promotes research in machine intelligence/signal processing, highlighting development of randomised algorithms, deep learning, other learning techniques, sampling theory, transformations and data compression. Besides theory/fundamentals encountered in the main subject area, applications associated with cybersecurity, health sciences, finance and engineering are essential. Design of advanced computational intelligence systems for subtle pattern recognition/discovery, visual data understanding/retrieval, robust face recognition, streaming data processing, intelligent control/software are stressed. Submissions on technology development and real world applications of complex machine intelligence systems are encouraged.

Topics covered include:

- Deep networks and deep learning algorithms
- Randomised methods for development of neural networks
- Machine learning for big data analytics
- Ensemble, distributed, interactive and reinforcement learning
- Self-organising learning for data clustering and sampling
- Adaptive neuro-fuzzy inference systems and evolving intelligent systems
- Granular computing and case based reasoning
- Sampling theory, transforms; data compression and coding
- Cybersecurity and biometrics
- Computer vision and image understanding
- Real-time pattern recognition for financial data engineering
- Multisensory information fusion and sensor networking systems
- Data mining and knowledge discovery
- Applications in medical imaging and health informatics
- Modelling, control and fault diagnosis for engineering systems
- Intelligent software and hardware implementation of machine intelligence systems



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