Initial Call for Papers

Intelligent & Cognitive Computing is a recently established interdisciplinary international forum that promotes an integrated view and mutual understanding of intelligent systems, cognitive science, and computational science. The journal aims to provide rapid dissemination of significant and innovative results in theory and applications of engineered intelligent systems as well as cognitive sciences in handling real world complexities and reaching practical computational solutions that are robust, optimal, adaptive and cost effective. Tutorial and surveys may also be published from time to time. The focus is on fusions of cognitive and neuro-cognitive sciences as well as tools of soft computing such as fuzzy logic, neural networks, swarm intelligence, rough sets, probabilistic reasoning, chaotic and fractal systems.

All articles are rigorously peer reviewed by the editorial board members and at least two external reviewers. Major topics are divided in two categories of Foundations and Applications. Papers that are submitted in Applications category are also expected to utilize and carry novelty in the foundations category.

Foundations cover the interaction of various disciplines such as:

- Fuzzy Logic and Computing
- Neuro and Cognitive Computing
- Evolutionary and Swarm Computing
- Probabilistic Computing
- Soft Computing
- Immunological Computing
- Reconfigurable Computing
- Supervised and Semi-supervised Learning
- Self-Adaptive and Self-Organizational Systems
- Cognitive Science and Bioinspired Systems
- Multi-objective Optimization
- Distributed Artificial Intelligence and Multi-agent Systems
- Chaos Theory and Fractal Systems

Applications include but are not limited to:

- Systems and Control
- Operations Research
- Intelligent Bio-Engineering
- Signals and Vision
- Knowledge Engineering and Data Mining
- Intelligent (Computer) Networks
- Telecommunication Systems
- Power and Energy
- Business & Commerce
- Multimedia