The latest developments in computer science, theoretical software engineering, cognitive science, cognitive informatics, intelligence science, and the crystallization of accumulated knowledge by the fertilization of these areas, have led to the emergence of a transdisciplinary and convergence field known as software and intelligence sciences. International Journal of Software Science and Computational Intelligence (IJSSCI) is a transdisciplinary, archived, and rigorously refereed journal that publishes and disseminates cutting-edge research findings and technological developments in the emerging fields of software science and computational intelligence, as well as their engineering applications.

Topics Covered:

- Automatic software code generation technologies
- Autonomic/autonomous systems
- Autonomous agent systems
- Autonomous computing
- Autonomous machine learning systems
- Cognitive complexity of software
- Cognitive computers
- Cognitive informatics
- Cognitive informatics foundations of the brain
- Cognitive machines that think and feel
- Cognitive mechanisms of the brain and mind
- Concept algebra for knowledge modeling
- Denotational vs. analytic mathematics
- Formal description of cognitive processes
- Formal description of the brain
- Formal inference processes
- Formal language theories
- Functional models of the brain
- Future generation computers
- Fuzzy/rough sets
- Granular computing
- Hybrid man-machine systems
- Hyper programming
- Instructive information foundations of software
- Intelligent behavioral foundations of software
- Intelligent software engineering
- Knowledge representation methodologies
- Logical models of the brain
- Mathematical foundations of software
- Mathematical models of machine intelligence
- Mathematical models of natural intelligence
- Mathematical models of the brain and mind
- Mathematical structures for software modeling
- Neural informatics
- Non-language centered programming
- Novel computing methods
- Novel intelligence simulation systems
- Novel memory devices
- Process algebra for behavioral modeling
- Real-Time Process Algebra (RTPA)
- Soft computing
- Software simulations of the brain
- Software vs. brain processes
- System algebra for complex system modeling
- Theories for computational intelligence
- Transdisciplinary theories shared by software and intelligence science
- Universal mathematic models of software
- Visual semantic algebra