

*International Journal of*

# Complexity in Applied Science and Technology

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# Scope of the Journal

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*The study of complex systems represents a new approach to science and technology, exploring how collective behaviours of a system are functions of ties between parts and how the system interacts and forms relationships with its environment. IJCAST meets the need for a forum to disseminate information on such complex systems and complexity science. It emphasises the design, development and applications of dynamic models, including systems dynamics and agent-based approaches. IJCAST also presents "solutions" to complex managerial problems across domains.*

## Contents:

IJCAST publishes original papers, review papers, technical reports, case studies, book reviews, notes, commentaries and news. Special Issues devoted to important topics such as supply chain complexity, evolutionary design and the economics of operational complexity will occasionally be published. Commentaries on papers and reports published in the Journal are encouraged. Authors will have the opportunity to respond to the commentary on their work before the entire treatment is published. Contributions may be by submission or invitation, and suggestions for Special Issues and publications are welcome.

## Topics covered include:

- Understanding/managing system complexity
- Developing/applying complex system methods
- Supply chains
- Scheduling, planning and control
- Process and job design
- Product design
- Innovation processes
- Technology transfer
- Technology and operations strategy
- Sustainability
- R&D management
- Systems thinking and system dynamics
- Dynamic complexity
- Computational complexity
- Dynamic decision making



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