

## CALL FOR PAPERS

### Decision Making in Complex Systems

Special Issue for the International Journal of Operations and Quantitative Management

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There are many social and natural phenomena now recognized as complex systems, such as cities, economies, ecologies, political entities, and societies. Operations research is aimed to solve problems that emerge in such systems. Decision making as manifested in choice theory of economics is insufficient in dealing with such complex systems, especially when decisions are interdependent, indivisible, irreversible, and with imperfect foresight. In such situations, what is needed is plan making that takes into account interdependent decisions recognizing contingencies and uncertainties (Hopkins, 2001). In this special issue, we invite contributions of original papers that address OR-based planning and decision analysis, broadly defined, to tackle problems emerging from various complex systems, large and small, using analytical methodologies derived from the new scientific paradigm of complexity, such as network analysis, cellular automata, and multi-agent simulations. Areas of interest include, but not limited to:

Urban Planning	Land Development	Science
City Management	Social Networks	Artificial Society
Public Policy	Technology Competition	Evolutionary Economics
Public Administration	Design Method	Simulated Market
Environmental Design	Organizational Theory	Neural Network
Natural Resource	Institutional Design	Genetic Algorithm
Management	Ecological Simulation	Social Process
Transportation Planning	Spatial Game	
Infrastructure Investment	Computational Social	

#### Submission instructions

Submitted papers neither have been previously published, nor being currently under consideration for publication elsewhere. All papers are refereed through a double blind peer review process. Please visit [www.ijoqm.org](http://www.ijoqm.org) and download "Information for Authors." Manuscripts need to be submitted (MS Word format) in two separated files: The first one containing the title of the work and the authors with their affiliation data and a short biography, the second one with the full paper.

#### Deadlines

Manuscript submission: 31 May 2009

Reviewing results notification: 31 August 2009

Submission of final manuscript: 30 September 2009

Send the two files by e-mail to the following address:

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