Editorial

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Biographical notes: Lakhmi C. Jain is a Director/Founder of the Knowledge-Based Intelligent Engineering Systems (KES) Centre, located in the University of South Australia. He is a Fellow of the Institution of Engineers Australia. His interests focus on the artificial intelligence paradigms and their applications in complex systems, art-science fusion, e-education, e-healthcare, unmanned air vehicles and intelligent agents.

Mika Sato-Ilic is an Associate Professor at the University of Tsukuba, Japan. She received her MS in 1991 and a Doctorate of Engineering from Hokkaido University, Japan, in 1994. Her main research interests are the development of methods of multi-dimensional data analysis, multi-way data theory, pattern classification and data mining based on soft computing. She is an IEEE Senior Member and has served on several committees in IEEE as Vice Program Chair for the International Conference on Systems, Man and Cybernetics, 1998, and as a member of the Administration Committee for Systems, Man and Cybernetics Society, 1998–2000. She serves on the Editorial Board of several journals such as Associate Editor of *Neurocomputing* and as Regional Editor of the *International Journal on Intelligent Decision Technologies*.

Society is demanding smart systems. Conventional systems will be the thing of the past soon. With this view in mind, researchers are directing their efforts towards knowledge engineering which involves mimicking the performance of human experts in a limited sense. The knowledge engineering with soft data paradigms offer tremendous attributes such as learning, autonomy and self-organisation.

The main objective of *Knowledge Engineering and Soft Data Paradigms Journal* is to report the most recent research results to promote the multidisciplinary research. We believe that the researchers, professors, application engineers, business professionals and students will get tremendous benefit due to the theory and application oriented approach taken by this journal.

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The first issue contains seven research papers. The first paper is on decision making with non-standard fuzzy sets. The second paper is on metastructural facets of granular computing. The third paper is on the experimental analysis of eligibility traces strategies in temporal difference learning. The fourth paper is on statistical power calculations for clustered continuous data. The fifth paper is on kernel methods for regression model based on variable selection. The sixth paper is on similarity measures for binary and numerical data. The final paper is on a computational algorithm for the risk assessment of developing acute coronary syndromes.

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