Introduction

This special issue grew out of the Second International Conference on Knowledge Science, Engineering, and Management (KSEM2007), Melbourne, Australia, November 28–30, 2007. From 124 papers submitted to the conference, the program committee selected 42 regular papers and 28 short papers for presentation at the conference and publication in the proceedings based on a peer-review process (each paper received at least two reviews). Authors of nineteen papers considered being the most innovative and original in terms of computing and information technologies were invited to submit "*substantially extended and updated manuscripts with additional original computational materials based on their most recent research*" for possible publication in this issue. The review process for the extended papers was handled by the journal's Editor-in-Chief, Hojjat Adeli. Each substantially extended and updated manuscript was subsequently reviewed by 3 to 7 reviewers rigorously using the journal review form. The six manuscripts included in this issue are those that passed through the journal's rigorous review process successfully.

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