
Preface

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Biographical notes: Desheng Dash Wu is the Affiliate Professor and Managing Director at RiskLab of University of Toronto. He also serves as Senior Lecturer at Stockholm University. He was a Visiting Professor at Booth School of Business, University of Chicago in summer 2010–2012. His research interests include financial risk analysis, banking operations, and decision analysis. He has published more than 80 ISI-indexed papers at leading journals such as *Production and Operations Management*, *Risk Analysis*, *Decision Sciences*, *IEEE Transactions on Systems, Man and Cybernetics*, *European Journal of Operational Research*, *IEEE Transactions on Knowledge and Data Engineering*, *Information Sciences*. He has published five books on risk management at Springer and one from World Scientific Publisher. He has been invited to give plenary lectures and keynote talks at various international conferences. He is book series editor on computational risk management at Springer, and serves as associate editor or guest editor or editorial board member at more than 10 refereed journals.

Today's economy has always met with various emergency events. Businesses benefit from conducting simulation and modelling of various safety and emergency events using tools such as scenario and sensitivity analysis. Most organisations realise that they will improve performance if they build good scenario analysis systems. Risk and emergency management has attracted a great deal of concern from both academia and the practical world. Managing risks and emergencies facing the business environment is essential to maintain sustainable business growth.

We are very pleased at seeing the special issue of *International Journal of Simulation and Process Modelling: 'Simulation and Process Modelling in Safety and Emergencies'*. Over the past several decades, risk and emergency issues using simulation and process modelling have attracted a great deal of attention from both researchers and practitioners. Risk refers to the uncertain change of the future value of an entity of interest. An emergency refers to a situation that causes an immediate risk to health, life, property, or environment.

Our call for papers cited substantial and important growth in the methodology development to interdisciplinary problems arising in safety and emergencies using simulation

and process modelling approaches. We intend to present state-of-the-art work that demonstrates tools which improve simulation and process modelling tools in e-society.

This special issue includes the broad coverage we were seeking, with two papers on financial risk work on companies' credit fund trading behaviours and corporate risk-taking and corporate performance respectively, two on vehicle and transportation work, one on a quantitative method on miners' emergency response capacity, and one on software systems projects. All papers were peer-reviewed under the guidelines of the journal before publication.

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