
Editorial

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Biographical notes: Desheng Dash Wu is an Affiliate Professor and Managing Director at RiskLab, University of Toronto. He has published more than 80 papers at notable journals such as *Risk Analysis*, *Production and Operations Management*, *EJOR*, *Decision Sciences* and *IEEE Transactions SMC*. He has published six academic books/edited volumes on risk management at Springer and World Scientific Publisher. He is the Acting Chair for IEEE System Council Analytics and Risk Technical Committee. He is the Book Series Editor on Computational Risk Management at Springer, and serves as an Associate Editor or Guest Editor or editorial board member at more than ten refereed journals such as *Decision Support Systems*, *Computers and Operations Research*, *IEEE Transactions SMC*, *Omega*, *International Journal of Production Economics*, *Annals of Operations Research* and *International Journal of Global Warming*.

Risks and global warming have attracted a great deal of concerns from both the academia and practical world. Managing risks facing the environment is essential to maintain sustainable development and tackle global warming.

Recent advances in technology and policy seem to allow renewable energy to play major roles in meeting global energy demand while reducing CO₂ emissions. Renewable energy technologies are being rapidly commercialised and greater emissions reductions can be achieved. As a key global warming mitigation strategy, low-carbon economies are being examined by various nations.

We are very pleased at seeing the special issue of *International Journal of Global Warming*: 'Global warming and risk'. Over the past several decades, both risk issues and environmental topics of global warming 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 interests. Traditionally, risks are tied to the loss resulted from the change of a risky event. Risk management can be used as a tool for greater rewards, not just control against loss.

Our call for papers cited substantial and important growth in the methodology development to interdisciplinary problems arising in risk and global warming. We seek to provide the primary forum for both academic and industry researchers and practitioners to propose and foster discussion on state-of-the-art research and development in the areas of risk and global warming.

This special issue includes the broad coverage we were seeking, with a qualitative risk assessment of carbon geological storage, two survey work of flood forecasting practices and vulnerability of farmers and fishermen to climate change, three methodology papers categorising the workload of different underutilised volume servers

to increase their utilisation capacity, the driving force factors of global carbon intensity changes and the status quo of Chinese PV industry, three experiment work of conversion technologies and N₂O production and emission from agricultural soils. All papers were peer-reviewed under the guidelines of the journal before publication.

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Before closing, I would like to thank all the referees for their valuable time and effort. In addition, I would like to acknowledge the support and guidance provided by the Editor-in-Chief Prof. Dr. Ibrahim Dincer and the journal manager Ms. Liz Harris to bring this issue to fruition.