
Preface

Yuh-Wen Chen

Institute of Industrial Engineering and Management of Technology,
Da-Yeh University, 112 Shan-Jeau Rd.,
Da-Tsuen, Chang-Hwa 51505, Taiwan
Fax: +886 4 8520781 E-mail: profchen@mail.dyu.edu.tw

Omprakash K. Gupta

College of Business,
Prairie View A&M University,
TX 77446 0638, USA
Fax: 936 857 9220 E-mail: okgupta@pvamu.edu

Biographical notes: Chen is an Associate Professor at the Institute of Industrial Engineering and Management of Technology, Da-Yeh University, Taiwan. His main interests are in management science, multiple criteria decision making (MCDM) of uncertainty, and general issues for management of technology (MOT). He is also a member of the International Society on MCDM (<http://www.terry.uga.edu/mcdm/>).

Omprakash K. Gupta is Professor of Management at Prairie View A&M University, USA. He has previously worked at Washington State University, IIM Ahmedabad, Ball State University, Indiana University Northwest, Nirma Institute of Management and Purdue University. His primary research interests are in operations management, mathematical programming, information management, and general management and he has published in various international journals. He is currently Editor-in-Chief of the *International Journal of Operations and Quantitative Management* and *AIMS International Journal of Management*.

Recent developments in knowledge management (KM) and information technology (IT) provide many modern businesses with innovative opportunities or challenges – this depends on whether these businesses are aware of management and decision making in the innovative era. The contributions to this issue are from experts of two major fields: multiple criteria decision making (MCDM) and management of technology (MOT), so as to show us the state of the art in management and decision-making.

With regard to the MCDM papers in this issue, ‘The analytic hierarchy process: wash criteria should not be ignored’ by Saaty and Vargas are talking about the effect of washing criteria in the analytic hierarchy process (AHP); József also talks about the consistency of AHP in ‘Consistency of the decision makers in pairwise comparisons’. ‘Multi-criteria optimisation of budgeting decisions by telecommunication service providers in a simulation game’ by Kyrilov and Bonanni is an interesting aspect of the telecommunication game. The paper entitled ‘A hybrid computational intelligent system

for multiobjective supplier selection problem' by Gholamian et al. provides the multi-objective IT infrastructure for selecting appropriate suppliers; 'Transportation corridor decision making with multi-attribute utility theory' by Zietsman et al., proposes a multi-attribute utility theory techniques to broadly include quantitative and qualitative sustainability issues into the corridor making process in traffic engineering. Petrovsky shows us the useful credit checking of cardholders in Russia by his 'Multi-attribute classification of credit cardholders: multiset approach', and Pan applies the AHP on an innovative way for balance score card (BSC) in 'Escalate BSC power by AHP: innovative approach for strategy implementation'.

Furthermore, the MOT papers in this issue include the paper entitled 'Marketing strategy based on customer behaviour for the LCD-TV', which is written by Chiu et al. to discuss the custom behaviour and marketing strategy of LCD-TV; 'An Excel based solution approach to optimising trade-offs between freight expediting and safety stock inventory' by Namit et al., is a friendly IT interface for optimising the inventory level. Goh presents an integrated typology concept to strategic management in 'Toward an effective strategy model: conceptual development and qualitative assessment of an integrative typology'; the paper entitled 'Knowledge management in academia: survey, analysis and perspective' by Tian et al., practically studies the environment of Japan Advanced Institute of Science and Technology (JAIST) and propose some attractive observations for KM; 'Innovation success through corporate venturing – an empirical analysis of the relevant success factors' by Michalski et al., talks about the key factors that dominate the venturing success through a empirical study; and similarly, 'Key success factors in new products development' by Ebrahimi et al., summarises the key factors for new product development. The last paper entitled 'Aximomatic analysis of auction rules' by Lahiri views the auction rules from the game theory: it may be valuable if such rules could be enhanced by IT in the future.

Elite authors are encouraged to contribute 14 best papers in this issue: this issue is a major milestone in field of management and decision making for innovation. Readers can learn the international advancements in management and decision making related to the management of technology and innovation management.

Finally, we specially appreciate the kindly supporting from Professor Saaty at the University of Pittsburgh in the USA; Professor Wedley, and Simon Fraser at the University in Canada and Professor Belton at the University of Strathclyde in UK, and many anonymous referees from all over the world.