
Preface

Amy J.C. Trappey*

Department of Industrial Engineering & Engineering Management,
National Tsing Hua University, Hsinchu (300), Taiwan, R.O.C.
Fax: +8863-5722204 E-mail: trappey@ie.nthu.edu.tw

*Corresponding author

Parisa Ghodous

Professor and Head of Collaborative Modeling Team,
Computer Science Department, University Lyon I, France
E-mail: ghodous@bat710.univ-lyon1.fr

Biographical notes: Amy J.C. Trappey is a Professor and Chairperson in the Department of Industrial Engineering and Engineering Management at National Tsing Hua University (NTHU), Taiwan. She received a PhD in Industrial Engineering from Purdue University (1989). She also serves as the Director of the Electronic Business Center at NTHU. Dr Trappey's research interests are in the areas of e-business methodology, knowledge engineering, and product life-cycle management. Dr Trappey is an ASME Fellow.

Parisa Ghodous is a Professor in the Department of Computer Science at University Lyon I, France. She is a head of collaborative modeling team of LIRIS CNRS UMR5205 laboratory. Parisa Ghodous' research interests are in the areas of knowledge engineering, collaborative modeling and interoperability. She is vice-president for conferences of ISPE.

Innovation management for new product and technology development, as well as full utilisation of intellectual assets and intellectual properties for re-use and commercialisation, are critical to growing and maintaining the prosperity of knowledge-oriented enterprises. This special issue includes research papers that focus on novel strategies, methodologies and technologies for innovation management, R&D knowledge management, intellectual property (IP) management, and intelligent approaches for technology management. Research topics in the areas of engineering knowledge database design and the development of algorithms for exploring new innovative ideas from existing IP are also covered in the issue.

The collection of articles can be summarised as follows:

- Theories and frameworks describing the phenomena of technology adoption and knowledge sharing in R&D processes (contributed by Meade, et al. and Shih, et al.).
- Studies of IP management and global marketing strategies (contributed by Trappey, et al. and Kim, et al.).

- Case studies of innovation and R&D knowledge management in Europe and China (contributed by Gao and Yang respectively).
- Novel information technology (IT)-related methodologies in enabling effective innovation and knowledge management (contributed by Hsu, et al. and Jardim-Goncalves, et al.)

The guest editors would like to take this opportunity to express our appreciation to the authors and reviewers. In the past year, they have spent a good amount of time and effort in reviewing and revising process. We hope this issue will benefit industry and academia by providing the latest strategies and technologies in R&D innovation management.