## Editorial

We are delighted to present three very interesting and diverse papers in Volume 6, Issue 3 of the Journal of Information Science and Technology.

The first paper in this issue is "*Exploring Strategies for Deploying Knowledge Management Tools and Technologies*" by Drs. Heather A. Smith, James D. McKeen, Tracy A. Jenkin from the Queen's School of Business at Queen's University, Canada. In this paper, the authors use an exploratory focus group comprised of knowledge managers from a number of different organizations to explore the relations between knowledge management and technology. In addition, the authors seek to identify the strategies that knowledge managers use to successfully recognize where and how technology should be implemented and used to facilitate knowledge management work. The results support the importance of delivering knowledge management over a *solid* foundation of information technology and information management. The authors identify successful strategies used by managers for successful implementation and use of knowledge management tools in order to deliver business value.

The second paper, "*Knowledge Management Mechanism as the foundation for Structured Reporting*" is by Dr. David Liu from the College of Business and Economics, California State University, Northridge. This paper analyzes an approach to use knowledge management mechanisms as the foundation for a structured reporting methodology for a wide range of imaging modalities in the IT in Healthcare Sector. As background, this paper starts by describing a case study in which a 150-bed community hospital located in Los Angeles transitioned from a conventional transcription-based reporting system to one that allows radiologists to create reports for twelve radiology modalities directly through a structured reporting system. More than 200,000 structured radiology reports were produced with the structured system. Broad base acceptance of structured reporting systems for a wide range of modalities is still in doubt as other commercial structured reporting systems target only niche modalities, such as ultrasound. The success of structured reporting for a wide range of modalities was first thought to be hinged on such factors as completeness of structured report templates, the ability to produce normal language sentences from structured input, as well as to the blending of free-form text input from speech recognition. Subsequent analysis reveals other important success factors which are presented in the paper.

The third paper is entitled "*Imputation of Missing Data: A Semi-Supervised Clustering Methodology*" by Ilango Paramasivam, Hemalatha Thiagarajan, Poonkuntran Shanmugam, Nickolas Savarimuthu from the National Institute of Technology, Tiruchirappalli VIT Univeristy Vellore, India. In this paper, the authors propose a semi-supervised clustering methodology for the imputation of missing data in databases. Missing data are simulated on the complete Pima Indians Type II Diabetes dataset in order to evaluate the performance of the proposed algorithm. The random introduction of missing data and multiple simulations provide an unbiased platform to evaluate the efficacy of the imputation process. The performance is compared with other existing imputation methods. The comparative analysis shows that the proposed method produces stable results and shows less variance in the error rate over different percentages of missing data compared to other methods.

These papers present diverse and interesting perspectives on information, science, technology and management.

Rahul Singh and Gurpreet Dhillon, Editors, Journal of Information Science and Technology