
Editorial

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Biographical notes: Rashmi Malhotra is a Professor of Decisions and Systems Sciences at Saint Joseph's University. She has published over 45 research articles in various journals such as *European Journal of Operational Research*, *Omega – The International Journal of Management Science*, *Knowledge-Based Systems*, and *International Journal of Information and Decision Sciences*. She serves on the editorial boards of *International Journal of Applied Management Science*, *International Journal of Data Analysis Techniques and Strategies*, *International Journal of Strategic Decision Sciences*, *International Journal of Management Research*, *Journal of Management Systems*, and *Collaborative Filtering Using Data Mining and Analysis*, and *International Journal of Distributed Sensor Networks*.

As organisations embrace business intelligence to improve decision making, reengineer business processes, innovate, and explore new business opportunities, businesses find themselves amidst a new digital age revolution that pertains to knowledge management and application. 'Knowledge is power' is the new mantra. In a knowledge driven economy, data is the new raw material for corporate decision making. Undeniably, big data is the new weapon in the arsenal of management. This is an era of big data, data in all shapes and forms – dark data, dirty data, weird data, scrubbed data, clean data, and missing data. As technology advances, and new concepts like 'internet of things', cloud management, intelligent tools, and data lakes go mainstream, clearly, besides the right technology infrastructure and IT architecture, organisations also need a shift in culture to derive full benefits from its data and knowledge resources. Thus, we need further research in the use of big data from multiple perspectives – technical, economical, behavioural, managerial, and legal perspectives. In short, the most important question is how can big data create value, and in what way or form can this value be integrated in the value chain of an organisation. Data analytics is only one aspect of this kaleidoscope. We need business research to gain further insight and a new direction so as to draw benefits from the latest technological advances.

The objective of the *International Journal of Business Intelligence and Systems Engineering – IJBISE* is to explore these areas of research. The first issue of the journal addresses the latest areas of business intelligence to benefit researchers and practitioners by showcasing the research of scholars so as to provide an opportunity to make a notable contribution in the development of new areas of business research. In addition, the focus of this journal is to offer an outlet to develop new tools, methodologies, and paradigms that are intelligent and go beyond traditional business analytical tools. The papers presented in this issue offer a new insight and perspective on the management of an enterprise with contemporary research in the developing areas of business intelligence such as big data, knowledge management and integration, and predictive analytics.