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## Editorial

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**Biographical notes:** Haldorai Anandakumar is an Associate Professor and Research Head from the Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India. He received his Master's and PhD degrees from the PSG College of Technology under, Anna University, Chennai. His research areas include big data, cognitive radio networks, mobile communications and networking protocols. He has authored more than 75 research papers and seven books with reputed publishers such as Springer and IGI. He served as the Editor-in-Chief of *Inderscience JISC*. He is senior member of IEEE, MIET, ACM and fellow member in EAI research group.

Ramu Arulmurugan is a Professor from the Department of Computer Science and Engineering, Presidency University, Bangalore, India. His research focuses on the automatic interpretation of images and related problems in machine learning and optimisation. His main research interest is in vision, particularly high-level visual recognition. He is author of more than 45 papers in major computer vision and machine learning conferences and journals. He is a recipient of the MTech and PhD degrees from the Anna University, Chennai and BTech in Information Technology from the Arunai Engineering College, Tamil Nadu, India. He is a member of MIET, ACM and EAI research group.

Chee-Onn Chow received his Bachelor of Engineering (Hons.) and Master's of Engineering Science from the University of Malaya, Malaysia in 1999 and 2001, respectively. He received his Doctorate of Engineering from the Tokai University, Japan in 2008. He joined the Department of Electrical Engineering

as a tutor in 1999, and subsequently been offered a Lecturer position in 2001. He is currently an Associate Professor in the same department since 2015. His research interests include various issues related to wireless communications. He is a Chartered Engineer (IET, UK), Professor Engineer (BEM, Malaysia) and senior member of IEEE.

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This special issue brings together papers focusing on a wide range of topics relevant to the research and understanding of the role of intelligent enterprise technologies. The special issue includes a selection of articles submitted in the call for papers titled ‘Big intelligent enterprise for sustainable computing’.

The theme of the special issue is ‘Big intelligent enterprise for sustainable computing’ intelligent system is the study and creation of self-learning technique that are based on artificial intelligence, machine learning, deep learning, pattern recognition, and natural language processing to simulate working of human brain. Research includes building a new class of system that can learn from experience and derive insights to unlock the value of big data.

The big data paradigm poses new challenges and has gained much attention from academia and industry. In recent intelligence enterprise management systems there are numerous heterogeneous objects that need to be connected to support a wide variety of applications. Big cognitive internet of things is a promising technology that enables intelligent enterprise data collection and processing through various internet of things applications. The next generation of big cognitive computing must be energy efficient and sustainable in order to fulfil end user requirements, which are changing dynamically.

This special issue will focus on how cognitive computing approaches from knowledge representation technological advancements, particularly in the form of big data and business informatics have resulted in the storage of enormous amounts of valuable business data in various formats. An intangible model for sustainable big computing has been projected, along with discussions on future research directions.

This special issue is open to high-quality research contributions from a wide range of professionals including scholars, researchers, academicians and people in industry. Original research papers and state-of-the-art reviews have been accepted. We anticipate that this special issue will open new doors for further research and technological improvements in this important area.

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