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## Editorial

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**Biographical notes:** Anandakumar Haldorai is an Associate Professor and the Research Head in the Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore, India. He has received his Master's in Software Engineering and PhD in Information and Communication Engineering from 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 124 research papers, 11 books and many book chapters with reputed publishers such as Springer and IGI. He is senior member of IEEE, IET and fellow member in EAI research group.

Arulmurugan Ramu is a Professor of 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. In computer vision, his interests include image and video classification, understanding and retrieval. Some of the most recent work in his lab relates to fundamental technological problems related to large-scale data, machine learning and artificial intelligence. He is the author of more than 25 papers in major computer vision and machine learning conferences and journals. From 2011 to 2015 he was Researcher Fellow at the Anna University. He is the recipient of the PhD degrees in Information and Communication Engineering from the Anna University at Chennai in 2015, MTech in Information Technology Anna University of Technology in 2009 respectively and BTech in Information Technology by the Arunai Engineering College in 2007.

Chow Chee-Onn received his Bachelor of Engineering (Hons.) and Master of Engineering Science degrees from 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 members 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 cloud communication systems. The special issue includes a selection of articles submitted in the call for papers titled ‘Big data computing and sustainable cloud communication systems’.

The theme of this special issue is ‘Big data computing and sustainable cloud communication systems’. The recent advancements in information systems, researchers have been considering the importance of enhancing the accuracy and efficiency of contemporary data dispensation systems. In reference to past developments, there has been tremendous growth in internet of things (IoT), sensory networks, big data, cloud computation and mobile computing that deliver both temporal and spatial solutions and opportunities for information handling methods. An emergent paradigm in big data is applicable to datasets with various sizes that surpass the aptitude of commonly utilised computation platforms for managing, capturing, and processing information.

This special issue focused on high-quality research topics include data science for sustainable cloud applications, real-time ubiquitous data science and software cloud, cloud mobile platforms for privacy preserving data science, social data relationship ranking on the internet, data applications of cognitive communication and cloud platforms, data grid and web mining services in the cloud, machine learning and big data development, internet technology and big-image processing, smart grid cybersecurity and data cloud, network and application performance in the cloud, software as a service and cloud computing that address significant and new big data applications and related cloud system development issues in the emerging sustainable application domains. We anticipate that the special issue will introduce new directions for further research and technology improvements in this important area.

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