
Editorial

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Biographical notes: S. Smys received his ME and PhD degrees in Wireless Communication and Networking from the Anna University and Karunya University, India. His main area of research activity is localisation and routing architecture in wireless networks. He serves as an Associate Editor of the *Computers and Electrical Engineering (C&EE)* journal, Elsevier. He served as a reviewer for the IET, Springer, Inderscience and Elsevier journals. He has published many research articles in refereed journals and IEEE conferences. Currently, he is working as a Professor in the Department of Computer Science and Engineering at RVS Technical Campus, Coimbatore, India.

Joy long-Zong Chen is currently a Full Professor of the Department of Electrical Engineering, Dayeh University at Changhua, Taiwan. Prior to joining the Dayeh University, he worked at Control Data Company, Taiwan, as a Technical Manager since September 1985 to September 1996. His research interests include wireless communications, spread spectrum technical, OFDM systems and wireless sensor networks. He has published a large number of SCI journal papers in the issues addressed physical layer for wireless communication systems. Moreover, he also majors in developing some applications of the internet of thing (IOT) techniques, and owned some patents authorised by the Taiwan Intellectual Property Office (TIPO).

Subarna Shakya is currently a Professor of Computer Engineering at the Department of Electronics and Computer Engineering, Central Campus, Institute of Engineering, Pulchowk, Tribhuvan University. She is a Coordinator (IOE) of the Links in Europe and Asia for Engineering, Education, Enterprise and Research Exchanges (LEADER) Project, ERASMUS MUNDUS. She received her MSc and PhD in Computer Engineering from the Lviv Polytechnic National University, Ukraine, in 1996 and 2000, respectively. Her research area includes e-government system, computer systems and simulation, distributed and cloud computing, software engineering and information system, computer architecture, information security for e-government, and multimedia system.

Ubiquitous sustainable system is an exciting new paradigm for smart environments and that offers a challenging model in sustainable computing. It generates a tight integration between data analytics, health informatics, energy harvesting, information systems and real time applications. Performance of smart environment depends on the availability, reliability, scalability, security and sustainability of the pervasive computing systems. Generating a sustainable energy is the most critical challenge for humankind. Sustainability had a crucial issue in the energy and sustainability, augment cognition, smart health informatics and renewable energy resources. Although this ubiquitous sustainable systems tackle the deluge issues in the sustainable environment and prompt a secure and efficient computing environment. This comprises a power controlling, power management, ubiquitous monitoring and power enhancement applications. The new era of ubiquitous sustainable systems aims to optimise the energy resource by using trend techniques such as pervasive computing, computational intelligence, intelligent automation, recognition systems, sensor networks, models and applications.

This special issue addressed the various issues related to blockchain technology, evolutionary framework, solar cell applications, cognitive radio networks, automation systems, optimisation techniques, power converters, image segmentation, wireless sensor networks, system on chip interconnects, network on chip and micro grid applications.