Editorial

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Hui-Ming Wee is a Distinguished Professor from the Department of Industrial and Systems Engineering. He received his BS (Honours) in Electrical and Electronics Engineering from the Strathclyde University (UK), MEng from the Asian Institute of Technology (AIT), and PhD in Industrial Engineering from the Cleveland State University, Ohio (USA). He has published more than 400 papers in refereed journals, international conferences and book chapters. His papers were cited over 5,450, (8,319) times in Scopus (Google Scholar) with h-index of 42 (48). His research interests are in the field of production/inventory control, environment, artificial intelligence and green supply chain management.

Pavel Lafata obtained his MSc from the Faculty of Electrical Engineering at the CTU in Prague, in 2007 and PhD from the Faculty of Electrical Engineering at the CTU in Prague, in 2011. Since 2011, he is an Assistant Professor from the Department of Telecommunication Engineering, CTU in Prague. He has also been a Supervisor of three PhD students since 2014. He is an author or

co-author of numerous scientific papers published in reviewed international journals or conferences, he also acts as a fellow reviewer for numerous impact journals.

Nowadays, the major key aspect of the internet of things (IoT) is used for medical internet applications to maintain the patient's medical information and it allows the patients to communicate to the doctors via data telecommunication paradigm. With the occurrence of IoT revolution, many medical sensors are involved to collect the information from patient's body such as blood pressure, heart rate, temperature, pulse rate, motion detection and stored up by using the cloud storage systems and then broadcast the information by using smartphones, PDA's and laptop. This provides more sophistication to the patient and high efficient usage in medical internet applications. Hence the medical internet applications are enabled by using the IoT, cloud computing, mobile computing, wearable sensors, wireless body area networks, cognition e-health, energy consumption, energy reservation, bio-sensing technologies, bandwidth utilisation and healthcare informatics. IoT-based medical healthcare applications provide real-time observation, remote monitoring, early diagnosis, continuous identification of patient's health problems, secure storage information and improve the patient's life quality. Security is the most important concern to maintain the patient's database and to avoid the unauthorised access of medical information system.

This special issue addressed the challenges and issues of medical internet applications and provided a better solution within all aspects of the IoT. The emerging trend of information communication technologies (ICT), intelligent personal assistants (IPA) and IoT plays a crucial role to provide the massive effect on human services. This special issue focused on the solution for technical issues related to the IoT and provides the novel ideas to secure the medical information system and highlighted the experimental interpretations and presented the real-time medical internet applications.