Special Issue

Internet of Things and Cloud for Smart Healthcare

Message from the Guest Editors

With the development of smart sensorial media, things, and cloud technologies, "Smart healthcare" is receiving significant consideration from academics, governments, industry, and from the healthcare community. Recently, the Internet of Things (IoT) has brought the vision of a smarter world into reality with a massive amount of data and numerous services. Cloud computing is an enabling technology in this scenario as it presents a flexible stack of computing, storage and software services at low cost. However, the convergence of IoT and the cloud can provide new opportunities for both technologies. IoT–cloud convergence could play a significant role in smart healthcare by offering better insight into heterogeneous healthcare content (e.g., X-ray, ECG, MRI, ultrasound image, clinical notes, claims, and so on) to support affordable and quality patient care. It can also support powerful processing and storage facilities of huge IoT data streams (big data) beyond the capability of individual "things" and provide automated real-time decision-making. Dr. Xu Zheng

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