Special Issue

Enabling Citizen Science in Communal Smart Environments with IoT Technology

Message from the Guest Editors

Machines are effective and efficient in the discovery of implicit knowledge or hidden patterns from large-scale data, whereas humans are good at conducting cognitive analysis such as reasoning, inference, and making instinctive judgments by taking into consideration dynamic and multiple factors. When people are organized into groups to conduct research activities, this is called Citizen Science, which pursues collective intelligence. One way to address the two above-mentioned issues is to marry the strengths and mitigate the weaknesses of human intelligence and AI, making them work in collaboration and cooperation. In this Special Issue, we will foces on existing research regarding the intersection of Citizen Science, artificial intelligence, and IoT to create communal smart environments where synergy and symbiosis among the agents that are enabled. We are especially interested in articles regarding experiences where people and machines collaborate on data collection, modelling, analysis and ubiquitous intelligence for a wide range of applications of crowd-sourced, Internet-based information.

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