Call for Papers
Special Issue of Peer-to-Peer Networking and Applications

Special Issue on P2P Computing for Intelligence of Things

With the development of convergence technology, all spaces and objects in human living have become digitalized. Due to enhancing life quality, increasing chronic disease, changing lifestyle and expanding life expectancy, rapid population aging requires a new business model that promotes happiness and emphasizes healthy body and mind through the anytime anywhere well-being lifestyle. Recently, P2P computing systems using internet of things are being released as products influential on the overall society, and their effectiveness is being continuously proved. In addition, based on the P2P computing, diverse companies are conducting investments and researches to develop devices as well as to develop P2P platform solutions that connect to internet of things devices. The P2P computing technology combined with artificial intelligence, P2P wireless networks, machine learning, P2P based knowledge base, peer-to-peer networking, hybrid networking, P2P cloud computing, and internet of things is applied to more diverse convergence fields. In order to build a reliable P2P computing system using internet of things, they are inter-connected by using the architectures networks and hybrid P2P protocols. Also, each wireless P2P transmission router and link optimally selected according to the hybrid P2P network conditions can collect the computing information for intelligence of things in real-time. This is a new value-added service that may have an influence on our lifestyle, and it is likely that this will bring changes to our life quality as well as to the involved industry.

The aim of this special issue is to bring together researchers and practitioners in areas of P2P Computing for Intelligence of Things, Infrastructure in P2P networking and application, Hybrid P2P communication network, P2P computing for cooperative networks, Embedded P2P systems, Ambient Intelligence in P2P networks to share their visions, research achievements and solutions. A goal is to highlight and resolve challenging issues and to establish collaboration between worldwide research and development teams. This will give an opportunity to connect the discussions regarding the potential of P2P Computing for Intelligence of Things taking place across many communities.

Topics may include one or more of the following themes but are not limited to:

- P2P computing for internet of things
- Wireless personalized communication
- P2P networks for ambient intelligence
- Wireless technology for intelligence of things
- Hybrid P2P networking system
- Mining for internet of things
- Architectural P2P protocols of wireless
- Infrastructure in P2P networking and application
- Hybrid P2P communication network
- P2P computing for cooperative networks
- Knowledge based management
- Embedded P2P systems and software
- Ambient intelligence system in P2P networks
- P2P based knowledge discovery

MANUSCRIPT SUBMISSION

The authors should visit www.springer.com/12083 for information on paper submission. Prospective authors should submit an electronic copy of their complete manuscript through the Editorial Manager system at http://www.editorialmanager.com/PPNA using the article type: “SI: P2P Computing for Intelligence of Things.” Manuscripts will be peer reviewed according to the standard of Peer-to-Peer Networking and Applications.

IMPORTANT DATES

Manuscript submission due: January 31, 2019
Final decision notification: April 30, 2019
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