Special Issue

Al-Aided Wireless Sensor Networks and Smart Cyber-Physical Systems

Message from the Guest Editors

As part of modern communication technologies, a variety of sensors are deployed to exchange data between the physical and cyber worlds. In the age of 5G, wireless sensor networks (WSNs) promise to overturn human-machine interactive styles in Internet-of-Things (IoT) and Internet-of-Vehicles (IoV) industries. The integrity of WSN and emerging technologies, e.g., Al, edge computing, unmanned aerial vehicles (UAV), intelligent buildings, and smart grids, has also enabled new mobile applications, such as virtual reality (VR)/augmented reality (AR), holographic telemedicine, autonomous driving, indoor localization, and crowd behavior identification. On the other hand, cyberphysical systems (CPSs) feature tight coordination between computations and controls via networking communications. Detailed studies of WSNs and CPSs will significantly contribute to developing 5G/AI networking technologies. For detailed information, please visit here.

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