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Smart sensor nodes are tiny autonomous devices that combine sensing, computing, and wireless communication capabilities. Current developments show that in the near future the wide availability of low-cost, short-range radio technology, along with advances in wireless networking, will enable wireless ad hoc sensor networks to become commonly deployed. A smart sensor network consists of spatially distributed autonomous sensors to monitor physical or environmental conditions, such as temperature, sound, vibration, pressure, humidity, motion, or pollutants and to cooperatively pass their data through the network to a main location. The more modern networks are bidirectional, also enabling control of sensor activity.

This technology facilitates constant business transformation in new business service paradigms. The implementation of smart sensor network has facilitated innovative applications in various fields such as homeland security, early warning systems, supply chain, global logistics, emergency response, healthcare, and other time and life critical situations. And many leading organizations are increasing their investments in innovative smart business technology, applications, and service. These services demand new business models to create profits with efficient strategies.

Hence the main motivation for this special issue is to bring together researchers and practitioners working on related fields in smart and intelligent business service and strategy to present current research issues and advances. The aim of this special issue is to provide the insight for the discussion of the major research challenges and achievements in various topics of interest.

Potential topics include, but are not limited to:

- ▶ Situation/context aware technology and service in wireless sensor networks
- ▶ Situation information filtering and aggregation in wireless sensor networks
- ▶ Integration of bandwidth mediation points and wireless sensor networks
- ▶ Design, development, and implementation of smart business in wireless sensor networks
- ▶ Privacy, security, and social issues related to smart business in wireless sensor networks
- ▶ Trust and value creation through new generation smart business applications in wireless sensor networks
- ▶ Green business service of/by wireless sensor networks
- ▶ Smart business readiness (technology, service) in wireless sensor networks
- ▶ Case studies and experience reports of smart business service in wireless sensor networks

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