

IET Communications Call for Papers

SPECIAL ISSUE ON: Distributed Intelligence and Data Fusion for Sensor Systems

Use of intelligence, data mining and data fusion has provided new momentum in the use of sensors and converted WSNs into a new brand of dynamic, autonomous and intelligent Distributed Sensor Systems. These features enable new smart sensors to play new roles as intelligent nodes gathering, manipulating and decimating data for more reliable and secure communication whilst performing more efficiently using less energy and number crunching.

This special issue aims at presenting innovative and significant research papers on the design, implementation and evaluation of wireless sensors, especially for use of distributed intelligence and data fusion.

Topics of primary interest include, but are not limited to:

- applications and deployment of intelligence in sensor systems and distributed data fusion
- sensor networking protocols and algorithms
- sensor network management protocol and systems
- cross-layer design and sensor network management protocols
- security of distributed intelligence in sensor networks
- inter-connection between distributed sensor systems
- testbed, experimental measurements & performance analysis
- systems for context sensing and context awareness
- tools and methodologies for sensory data fusion
- QoS provisioning protocols with data fusion technology
- collaborative in-network processing and data sharing
- use of Intelligence and data in energy harvesting

All papers must be submitted through the journal's Manuscript Central system:
<http://mc.manuscriptcentral.com/iet-com>

Proposed publication schedule:

Deadline for submission of papers: 01 July 2010

Authors to receive a 1st decision by:

30 September 2010

Final notification of acceptance:

31 January 2011

On-line and print publication:

Q1/Q2 2011

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