

## CALL FOR PAPERS

# Real-Time Systems Journal Special Issue on Real-Time Wireless Sensor Networks

<http://www.cse.wustl.edu/~lu/rts.htm>

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### Scope

Wireless sensor networks represent a new generation of distributed embedded systems with a broad range of real-time applications. Examples include fire monitoring, border surveillance, medical care, and highway traffic coordination. Such systems must meet new kinds of timing constraints under severe resource limitations in highly dynamic environments. Wireless sensor networks challenge many classical approaches to real-time computing. Wireless networking protocols, operating systems, middleware services, data management, programming models, and theoretical analysis all fundamentally change when confronted with such new systems and environment.

This special issue seeks papers describing significant research contributions on real-time issues of wireless sensor networks. Areas of interest include, but are not limited to:

- Case studies and experiences of real-time applications on wireless sensor networks
- Real-time operating systems, middleware, and data services for wireless sensor networks
- Real-time and QoS-aware wireless sensor network protocols
- Programming models and tools for real-time applications of wireless sensor networks
- Analysis of timing properties and performance bounds of wireless sensor networks

### Important Dates

Submission Deadline:	July 1st, 2006
Feedback to Authors:	September 1st, 2006
Final Manuscript:	October 15th, 2006
Publication:	January 2007

### Paper Submission Guidelines

Authors are encouraged to submit high quality, original works which have not appeared, nor are under consideration, in other journals. Papers should be no longer than 40 double-spaced pages. Paper submissions must be made electronically, in PDF format by e-mail to [lu@cse.wustl.edu](mailto:lu@cse.wustl.edu). More information is available at <http://www.cse.wustl.edu/~lu/rts.htm>.