

# CALL FOR PAPERS

## Workshop on Building Intelligent Sensor Networks (BISON'04)

In conjunction with

IFIP International Conference on Network and Parallel Computing (NPC'04)

Oct 19, 2004, Wuhan, China

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<http://www.cs.ust.hk/bison>

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### Workshop Aims and Scope

This workshop aims to examine the state of the art in the design and development of smart sensor systems, focusing on sensing technologies as well as computing technologies. The underlying theme of the workshop is in building intelligent sensor nodes that are easy to use and cost efficient. The topics of interest range from advanced sensing material to data acquisition, communication, and modeling techniques.

We solicit research papers, industrial papers, application experience papers, and short demo papers in an effort to bring together researchers and practitioners from a wide variety of related areas.

### About NPC 2004

The IFIP International Conference on Network and Parallel Computing (NPC 2004) aims at establishing an international forum for engineers and scientists to share their ideas and experiences in the fields of network and parallel computing. It is hosted by the Huazhong University of Science and Technology and will be held in Oct 18 - 20, 2004 in Wuhan, China. More information is available at the conference web site:

<http://grid.hust.edu.cn/npc04/>

### About Wuhan

Wuhan is the capital city of Hubei Province and one of the six largest cities in China. It is located in the south central of China, on the Jiangnan Plain, and by the Yangtze River. Historically, the city served as the cultural, political, and military center at various times. Today, Wuhan is a vibrant metropolitan area featuring natural beauty, cultural heritage, as well as more than twenty major universities and institutions.

### Topics of Interest

The topics of interest include, but are not limited to:

- design and development of smart sensor systems
- sensing material development
- biometric, optical, and physical sensors
- interface electronics and packaging
- sensory signal processing and communications
- wireless communication in sensor networks
- data management for sensor networks
- query processing in sensor networks
- mining and planning for smart sensor applications
- sensor network modeling, simulation, and emulation
- middleware for sensor network applications
- sensor system commercial development and markets

### Important Dates

April 30, 2004: Paper submission

June 7, 2004: Author notification

June 28, 2004: Camera-ready

### Workshop Program Co-chairs

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### Workshop Steering Committee

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### Paper Submissions

Authors are invited to submit original, previously unpublished papers which fall into one of the following three categories:

- Research
- Applications/Experience
- Industrial

We also solicit short demo descriptions of prototype systems.

Papers must be at most 15 double-spaced pages (8 for demo proposals) with at least 11pt font and 1 inch margins (about 5,000 words).

All submissions will be handled electronically, at the web site for the workshop: <http://www.cs.ust.hk/bison>