Call for Papers

The International Workshop on Wireless Sensor Network Architecture (WWSNA'07)

April 24, 2007 – Cambridge (MIT Campus), Massachusetts, USA

---- held in conjunction with IPSN'07

Important Dates:

Papers Due: **Friday, Dec 15th, 2006**
Notification: Friday, Jan 29th, 2007
Camera Ready: Friday, Feb 23rd,2007
Conference: Tuesday April 24, 2007

Organization Committee:

Program Co-Chair:

John A. Stankovic
University of Virginia

Tian He
University of Minnesota

Technical Program Committee:

Jun-Hong Cui
University of Connecticut

Ramesh Govindan
University of Southern California

Deepak Ganesan
University of Massachusetts Amherst

Donggang Liu
University of Texas at Arlington

Jie Liu
Microsoft Research

Chenyang Lu
Washington University in St. Louis

Kamin Whitehouse
University of Virginia

Wensheng Zhang
Iowa State University

Zhi-Li Zhang
University of Minnesota

Overview:

Wireless Sensor Networks (WSNs), that consist of thousands of low-cost sensor nodes, have been used in many promising applications, such as military surveillance, infrastructure protection, scientific exploration and smart environments. Researchers in this area have accumulated a large portfolio of network services and middleware, effectively addressing a wide range of individual research problems. However, because of the limited understanding on how to integrate these components effectively, we are facing an urgent and challenging question on how to build sensor network systems efficiently. To facilitate collaboration on and convergence of future sensor network software and protocol architecture, the International Workshop on Wireless Sensor Network Architecture is seeking novel ideas which specify the essential principles that guide sensor network software design. In particular, we are interested in architecture-level service and protocol interfaces, network function decomposition and partitioning, composition methodologies of software components, and high-level engineering of sensor network protocols. Observe that this workshop is not concerned with hardware architecture and component interfaces. This topic is more appropriate for SPOTS. Also, the workshop is not concerned with design of any specific protocols and middleware services. Such specific components are more appropriate for IPSN and/or SPOTS. Further, an important area of special interest is a general architecture for wide-area sensor networks that integrates homogeneous/heterogeneous geographically distributed sensor networks together seamlessly. Suggestions and architectural principles for a future world-wide sensor web are highly sought. We strongly encourage philosophical position papers that bring out interesting and novel ideas at an early stage in their investigation.

Submission Guidelines:

All papers will be submitted electronically, in Portable Document Format (PDF). 8.5 x 11-inch pages (including figures, tables and references) in 10-12 point font. Number each page.

Submission must meet the following criteria: A paper must be original material that has not been previously published nor is currently under review by another conference or journal. Submitted papers should be no longer than 6 pages in IEEE two-column format for conferences.

Each paper will be reviewed by the Technical Programming Committee. Accepted papers will appear in the workshop proceedings. Authors are required to attend the conference to present their work.