

# Call for Papers

## International Journal of Intelligent Control and Systems Special Issue on Advanced Computer Architectures for Intelligent Systems

Guest Editors: John D. Carpinelli and Xiaofang Wang

As intelligent systems are developed to meet the needs of increasingly complex applications, often requiring correspondingly refined precision, the underlying computer architecture of the systems becomes of primary importance. For many systems, standard, off-the-shelf computers are not viable options. In leading edge systems, the choices made in designing and implementing the computer architecture affect the system's functionality, throughput, and precision of results.

This special issue will cover a range of topics associated with advanced computer architectures for intelligent systems. Possible topics include, but are not limited to, the following:

- Custom architectures for specific applications
- Tools for architecture design
- Neural architectures
- Distributed architectures for real-time applications
- Intelligent robotic control systems
- Fault-tolerant architectures for intelligent systems
- Reconfigurable and adaptive architectures
- Power/energy-efficient design issues
- Multiprocessors for intelligent control
- Performance modeling and analysis of intelligent systems

### IMPORTANT DATES

July 30, 2007	Deadline of paper submissions
September 14, 2007	Notification of review status
October 1, 2007	Delivery of final version of accepted papers
December 2007	Publication of special issue

### SUBMISSION INSTRUCTIONS

Paper must be submitted electronically to either guest editor, John D. Carpinelli at [carpinelli@njit.edu](mailto:carpinelli@njit.edu) or Xiaofang Wang at [xiaofang.wang@villanova.edu](mailto:xiaofang.wang@villanova.edu). All submitted papers will be refereed according to the usual IJICS refereeing process. Please see the IJICS web site, <http://www.ijics.org>, for formatting guidelines.

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