



ISWPC 2007

Workshop on Wireless Networking, Automated Information Processing, and Web & Grid Services

February 4, 2007, San Juan, Puerto Rico, USA

<http://www.iswpc.org/2007>

Workshop Chair: Domingo Rodriguez

SCOPE

This workshop intends to serve as a forum for the exchange of new ideas, concepts, and results associated with three specific areas showing a degree of convergence: Wireless Networking (WN), Grid and Web Services (GWS), and Automated Information Processing (AIP). AIP is serving as a bridge between WN and GWS and in this context is bringing out new exciting and challenging issues. The workshop is addressing issues along the following lines through a set of thought-provoking questions:

► Grid and Web Services

- Grid Computing: a new technology or a cheaper alternative?
- What are the financial and technological benefits of grid computing versus cluster computing?
- What markets stand to benefit the most from grid computing?
- Does wireless access to computing grids open up new application/ service markets? Which ones?
- Do projected trends for future data processing needs align favorably with the capabilities of computing grids?

► Wireless Networking

- How wireless sensor networks (WSN) integrate with wireless networking in general?
- How can WSNs characterize smart environments in our automated society?
- How to manage uncertainty due inhabitants' contexts in smart environments?
- What significant automated information processing issues need to be addressed for context-aware resource management in smart environments?
- Beyond mere wireless access to grids: are there any wireless-specific services or applications that may benefit from grid computing?

► Automated Information Processing

- What information processing applications are good and poor matches for grids?
- What is automated in automated information processing?
- How to integrate syntactic and semantic issues in automated information processing?
- How AIP is serving as a bridge between grid and web services and wireless networking?
- What role plays signal processing in automated information processing and smart environments?



WALSAIP

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TOPICS

- Wireless Networking
- Web and Grid Services
- Sensor and Mobile Databases
- Collaborative Signal Processing
- Sensor Metadata Interoperability and Management
- Secure Wireless Sensor Networks
- Signal-based Automated Information Processing
- Sensor Grids and Sensor Registry
- Environmental Surveillance Monitoring

SPEAKERS

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