

# First International Workshop on Wireless Sensor Networks Architectures, Simulation and Programming (WASP'09)

<http://www.arcos.inf.uc3m.es/~wsn/wasp09/>

**April 27, 2009**  
**Berlin, Germany**

within

[MOBILWARE 2009](#)

**Berlin, Germany. April 28-30, 2009**

## Important dates:

**Papers due:** 20 February 2009

**Notification:** 6 March 2009

**Camera Ready:** 20 March 2009

## Purpose and aim.

The First International Workshop on Wireless Sensor Networks Architectures, Simulation and Programming (WASP'09) aims to be a forum where researchers and practitioners address the challenges in the design, development and evaluation of architectures for Wireless Sensor Networks applications.

WASP'09 is a workshop addressed to scientists and researchers with interest on architectures and high-level programming abstractions which look for easing the applications development process for Wireless Sensor Networks. As the Wireless Sensor Networks are getting major maturity, it is necessary to think about different programming techniques which facilitate applications portability and rapid development in the application level.

The workshop will focus specially on the high-level programming abstractions, simulation and new programming techniques and algorithms for WSN.

## Workshop topics.

- Architecture-independent programming for Wireless Sensor Networks.
- Languages, Operating systems and high-level programming abstractions.
- Middleware architectures and network services.
- Specification languages and models.
- Programming Models, Methodologies and design of applications for WSN.
- Design patterns for WSN applications.

- Cross-layer design and optimization.
- Applications portability.
- Complexity analysis of algorithms for WSN.
- Tools for rapid developing of applications, debugging and simulation.
- WSN Simulation software tools and environments
- Techniques for remote network programming and reconfigurability.
- Scalable and distributed data storage in Wireless Sensor Networks.
- Distributed monitoring of applications & WSN management.
- Wireless Sensor Network time protocols and synchronizing.
- Discovering, self-organization, routing and MAC protocols.
- Energy-Aware and Low-Power Processing Applications and Systems for WSN
- Security, privacy, and data integrity in WSN.
- Reliable and Trustworthy Applications for WSN
- Profiling, Measurement and Analysis Techniques for WSN
- Performance evaluation and analysis of sensor networks
- Novel applications and algorithms of Wireless Sensor Networks.
- Practical implementations and experiences from the real-world.
- Sensor networks and the Web.
- Integration with other systems
- Applications and demonstrations of sensor networks
- New trends in Wireless Sensor Networks.

## Submissions

Authors are invited to submit original papers (written in English) not previously published nor submitted in parallel for publication to any other conference, workshop or journal. The works should be at the very least address promising early-stage research with initial results.

The papers will be in pdf format, at most 10 pages long in total, using at least 11-point fonts with reasonable margins. The LNICST paper template is available from the MOBILWARE website at: <http://mobilware.org/authorskit.shtml>

Please, note that the camera-ready deadline is Fri Mar 20 and is FIRM. Papers should be sent by mail with the subject "WASP 2009 submission" to:

- Jesús Carretero ([jesus.carretero@uc3m.es](mailto:jesus.carretero@uc3m.es))
- Soledad Escolar ([maria-soledad.escolar@uc3m.es](mailto:maria-soledad.escolar@uc3m.es))

## Workshop chairs

- Jesús Carretero (University Carlos III of Madrid, Spain)
- Soledad Escolar (University Carlos III of Madrid, Spain)

## Program Committee

- Hussein Abdel-Wahab. Old Dominion University, *USA*
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