

September 22-26 2009, Palma de Mallorca, Spain

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## Track 6. COMPUTATIONAL INTELLIGENCE AND MODERN HEURISTICS IN AUTOMATION

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The Track on Computational Intelligence and Modern Heuristics in  
Automation aims to gather researchers reporting recent results in  
the development of various techniques in computational intelligence,  
intelligent systems and control, artificial intelligence, and data  
mining in automation and industrial applications. The track is also  
seeking papers related to the modern heuristics criteria, methods, or  
principles in factory automation that though may not be guaranteed,  
are in practice proven to find "good quality" solutions.

The topics of this track include, but are not limited to:

- Neural/Fuzzy/Evolutionary approaches in automation
- Modern heuristics methods in factory automation based on  
intelligent, adaptive, and predictive control, recognition
- Navigation, precise motion control, learning (competitive, self-  
organizing), clustering
- Computational intelligence in wireless automation protocols such  
as Bluetooth, WiFi and ZigBee
- Computational intelligence in security, reliability, and fault-  
tolerance in automation
- Ant colonies optimization and swarm intelligence in automation
- Also Petri Nets, Markov Models, Chaos, Support Vector Machines,  
and Expert Systems.

#### SUBMISSION OF PAPERS

Papers are to be submitted electronically. For further details,  
please consult the conference web pages.

#### AUTHOR'S SCHEDULE

Deadline for submission of full papers:	April 30, 2009
Notification of papers acceptance:	June 8, 2009
Final manuscripts due:	July 5, 2009

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