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Call for Papers

Track 5

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 on recent results in 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 for papers related to 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: Paper should be submitted following the "Instruction for Authors" under the Call for Papers on the EFTA'2008 Conference Web site (<http://www.etfa2008.org>).

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee and their travel expenses.

Author's Schedule:

Deadline for submission of long papers:	April 30, 2008
Notification of acceptance of long papers:	June 1, 2008
Deadline for submission of final manuscripts:	July 1, 2008

Further Information:

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