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Call for Papers
(Regular Papers)
Track 6. Computational Intelligence and Modern Heuristics in Automation

Track Co-Chairs
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Topics within the scope of the track:
The Track on Computational Intelligence and Modern Heuristics in Automation aims to bring together researchers interested in intelligence computational techniques and modern metaheuristics developed for automation and industrial applications, and to present current research results and to share their experience.

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

- Intelligent systems and control, and modern heuristics in automation and industrial applications
- Neural/Fuzzy/Evolutionary approaches in automation
- Modern heuristics methods in factory automation based on predictive, adaptive control, recognition, navigation, motion control, competitive, self-organizing learning, and clustering
- Computational intelligence in security, reliability, and fault-tolerance in automation
- Ant colonies optimization and swarm intelligence in automation
- Intelligence computation in automation
- Machine learning methods in automation
- Optimization and multi-objective optimization methods
- Knowledge discovery and data mining in automation
- Expert systems in automation
- Intelligent hybrid systems
- Intelligent systems in signal processing (DSP)
- Hardware optimization based on computational intelligence techniques

Submission of Regular Papers: The working language of the conference is English. Regular papers are limited to **8 double column pages** in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site {**Submit papers**}

Best Paper Award: Best paper awards in Factory Automation and Emerging Technologies will be presented at the Conference banquet dinner. Authors of outstanding papers will be invited to submit a revised version of their papers for publication in a special section in a leading international journal.

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.

No-show Policy: The ETFA 2012 Organizing Committee reserves the right to exclude a paper from distribution after the Conference at IEEE Xplore if the paper is not presented at the conference.

Author's Schedule:
Deadline for submission of regular papers: ~~March 25, 2012~~ **April 22, 2012**
Notification of acceptance of regular papers: May 30, 2012
Deadline for submission of final regular paper manuscripts: July 8, 2012

We would like to inform, that Prof. Jacek Zurada, the member of track's Program Committee,
agreed to give a keynote at the ETFA 2012 conference

ETFA 2012 Conference Secretariat: contact@etfa2012.org
Conference website: http://www.etfa2012.org