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Special Session on

“Embedded Systems & Reconfigurable SoCs”

Organized by

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Call for Papers

High level of integration, low power consumption, low-cost, flexibility, and the ability to implement complex computational intelligence-based algorithms are clear advantages of embedded systems with regard to traditional controllers in a wide range of industrial applications. In the last years, reconfigurable platforms have become also an advantageous design alternative, as the resources available in current reconfigurable devices allow an efficient partition of tasks in integrated hardware and software components, as well as the implementation of suitable communication infrastructures in distributed configurable systems. The Special Session seeks papers describing original research or application aspects of Embedded Systems and Reconfigurable SoCs in the areas of industrial informatics.

Topics of interest include, but are not limited to:

- Model-based development for ES/RSoC
- HW / SW co-design and co-simulation
- High-level design
- Reconfigurable platforms
- Formal methods and system development
- Fault tolerance applications
- Performance evaluation and optimization
- Design automation and computer tools
- Industrial applications and case studies