The International Conference on Field Programmable Logic and Applications (FPL) is the first and largest conference covering the rapidly growing area of field-programmable logic. During the past 19 years, many of the advances achieved in reconfigurable architectures, applications, design methods and tools have been first published in the proceedings of the FPL conference series. Its objective is to bring together researchers and industry from all over the world for a wide ranging discussion of FPGAs, including, but not limited to: applications, advanced electronic design automation (EDA), novel system architectures, embedded processors, arithmetic, dynamic reconfiguration.

FPL is organized yearly in Europe and attended by top-level scientists and researchers. The 20th FPL continues the tradition of the previous editions and will be hosted by the Dipartimento di Elettronica ed Informazione of Politecnico di Milano, Italy, from August 30 to September 4, 2010.

The Program Committee cordially invites you to participate and submit your contribution to FPL 2010. The conference topics include, but are not limited to:

- Reconfigurable architectures
  - Dynamic, partial, run-time reconfiguration
  - Low power architectures
  - Defect and fault tolerance
  - Reconfigurable embedded systems
  - Field-programmable analog arrays
  - Interconnects and NoCs

- Applications
  - Communications and networking
  - Cryptography
  - Bioinformatics
  - Application acceleration
  - Evolvable and bio-inspired applications
  - Medical solutions
  - Experiments for High Energy Physics
  - Astronomy
  - Aerospace

Authors are invited to submit original and unpublished contributions as either 6 page papers to be considered as regular papers (submissions accepted as posters will have 4 pages) or 2 page extended abstracts for PhD forum contributions.

All contributions must be submitted electronically in PDF format via the web page linked at http://www.fpl.org.

The 2010 International Conference on Field Programmable Logic and Applications is technically co-sponsored by the IEEE Circuits and Systems Society. The conference proceedings will be published by the IEEE and will appear in the IEEE Xplore electronic library.

Each accepted paper MUST have at least an author with a paid registration for the manuscript to be included and published in the proceedings; an author is also expected to attend and present the paper at the Conference.

FPL’s PhD forum is intended as a venue for PhD students to present their work and receive feedback from other researchers. Papers accepted to the PhD forum will be published in the conference proceedings and presented at a special poster session during the conference. Contributions to the PhD forum based on preliminary results of work in progress are particularly encouraged.

Proposals for tutorials within the technical scope of the conference are solicited. Submissions should be done through email directly to the Program co-Chairs (marco.santambrogio@polimi.it, jari.nurmi@tut.fi).

Important dates:
- Submission Deadline: March 22, 2010 (23:59 GMT)
- Acceptance notification: May 28, 2010
- Camera-ready deadline: June 15, 2010
- Author registration deadline: June 15, 2010

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