2019 Reconfigurable Architectures Workshop

On behalf of the workshop organizing committee, welcome to RAW'19!

This year we celebrate the 25th anniversary since this workshop was first held in conjunction with the International Parallel Processing Symposium in 1994. Since then, the Reconfigurable Computing field has matured considerably, with progress away from theoretical models, fundamental algorithms and complexity concerns towards applications, design methods and tools targeting the latest commercial FPGAs. Although, in a couple of respects – the focus on performance and cost efficiency at least – the field has not moved as dramatically.

At RAW'19 we are privileged to have Brazilian researcher Luigi Carro presenting the keynote talk on Performance Harvesting in the post Moore Era. The keynote talk will be followed by introductions to seven short papers that will also be presented as posters for discussion during the coffee breaks. We have arranged the eight full papers that are to be presented into three oral sessions: Design Methods and Tools, Applications, and CAD; and we have planned for a general discussion to conclude the proceedings.

In total, 23 submissions were received by the organizers. These were each reviewed by three to four reviewers to help select the program. We would like to thank the authors who submitted their work for consideration, the program committee and referees for their careful evaluations, the RAW organizing and steering committees for their patient guidance, and the IPDPS organizing committee for providing the opportunity to organize RAW this year.

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