Editorial

Guest Editors’ Foreword: Selected papers on “Streams and Algebra”

The current JLAP Issue contains two papers selected from the submissions received to a call for papers dedicated to “Streams and Algebra”.

A call for papers was launched in the fall of 2007 for a special JLAP Issue dedicated to “Streams and Algebra” (http://funinf.cs.unibuc.ro/~gheorghe/org/streamsJLAP/cfp.html).

The call put a particular emphasis on a new computing paradigm which is currently on spot: interactive computation. Most of concurrent, distributed, reactive, embedded, component-oriented, agent-oriented and service-oriented systems exploit interaction as a fundamental paradigm. At an interaction interface data evolve in time, hence streams occur as a royal candidate for modeling, specifying, programming, and verifying interactive systems.

The scope of the call was to find papers presenting fundamental results on streams and making use of algebraic techniques, especially in the following area: algebraic specifications, coordination languages, data-flow networks, interactive systems, hardware design, programming languages, real-time systems, semantics.

The current JLAP Issue contains two papers selected from the received submissions. One exploits streams to prove correctness of security protocols, the other uses streams over a continuous domain to study hybrid systems.

We thank the authors who submitted papers to this special issue and the referees for the time spent and the effort put on the evaluation of the submissions.

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