CALL FOR SHORT PAPERS LPAR'08

15th International Conference on Logic for Programming, Artificial Intelligence and Reasoning

November 23-27, 2008 Carnegie Mellon University, Doha, Qatar

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The series of International Conferences on Logic for Programming, Artificial Intelligence and Reasoning (LPAR) is a forum where, year after year, some of the most renowned researchers in the areas of automated reasoning, computational logic, programming languages and their applications come to present cutting-edge results, to discuss advances in these fields, and to exchange ideas in a scientifically emerging part of the world. The 2008 edition will be held in Doha, Qatar, on the premises of the Qatar campus of Carnegie Mellon University.

New results in the fields of computational logic and applications are welcome. Also welcome are more exploratory presentations, which may examine open questions and raise fundamental concerns about existing theories and practices. Topics of interest include, but are not limited to:

Automated reasoning

Computional interpretations of logic

Constraint programming

Constructive logic and type theory

Decision procedures Description logics Foundations of security

Implementations of logic Interactive theorem proving

Knowledge representation and reasoning

Lambda calculus Logic and automata

Logic and computational complexity

Logic and databases Logic and games Logic for the semantic web

Logical aspects of concurrency Logical foundations of programming Logic in artificial intelligence

Logic of distributed systems

Logic programming

Modal and temporal logics

Model checking

Non-monotonic reasoning

Ontologies

Program and system verification

Proof assistants Proof-carrying code Proof planning Proof theory

Propositional satisfiability Reasoning about actions Rewriting and unification Satisfiability modulo theories Static analysis of programs Specification using logics Translation validation

Invited Speakers

Edmund Clarke (Carnegie Mellon University, USA) Amir Pnueli (New York University, USA) Michael Backes (Saarland University and MPI-SWS, Germany) Thomas Eiter (Technical University of Vienna, Austria)

Submission Instructions

In keeping with the tradition of LPAR, researchers and practioners are encouraged submit short papers reporting on interesting work in progress or providing system descriptions. They need not be original. Extended versions of the short papers may be submitted concurrently with or after LPAR'08 to another conference or a journal.

Short papers are limited in length to 5 pages in the EasyChair format. The class style may be downloaded from http://www.easychair.org/easychair.zip. Short papers must be submitted through the EasyChair system using the Web page http://www.easychair.org/conferences/?conf=lpar08short . The short paper proceedings will be available as an EasyChair collection volume.

Important Dates (updated)

Short paper submission deadline: 5 October 2008 Strict!

Notification of acceptance 19 October 2008 Final version of papers 26 October 2008