CALL FOR PAPERS

LOPSTR'98

8th International Workshop on Logic-based Program Synthesis and Transformation

Manchester, United Kingdom, 15 – 19 June 1998

Sponsored by the Association for Logic Programming (ALP)
and by the ESPRIT Network of Excellence in Computational Logic (Compulog Net)

LOPSTR'98 is the eighth in a series of international workshops on logic-based program synthesis and transformation. It will be held in parallel to the Joint International Conference and Symposium on Logic Programming (JICSLP'98).

New Objectives

As a workshop, LOPSTR'98 will continue the tradition of being a lively and friendly forum for presenting recent and current research as well as discussing future trends in the synthesis and transformation of programs. Compared to previous editions, however, the scope and mode of operation are somewhat modified.

The **scope** now encompasses any computational-logic-based techniques, languages, and tools for the interactive or automated development of any kinds of programs. Also, papers discussing programming-in-the-large issues, or presenting practical applications, or convincingly arguing for the practical applicability of given theoretical results are now strongly encouraged.

The **mode of operation** now is as follows. Based upon submitted extended abstracts, the programme committee will invite authors to present their research at the workshop. Pre-proceedings with the accepted extended abstracts will be available at the workshop as a technical report. Shortly after the workshop, the programme committee will invite the authors of the most promising abstracts and presentations to submit full papers. After another round of refereeing, the best full papers will be included in the post-workshop proceedings, which are to be published within the *Lecture Notes in Computer Science* series of Springer-Verlag.

At this point, extended abstracts of at most eight pages are thus solicited about, but not limited to, the following topics:

specification	composition	specialization	verification	schemas
synthesis	transformation	analysis	reuse	industrial applications

Every submission must clearly exhibit the relationship to the (new) scope of the workshop, and must really be an extended abstract. It must thus be a miniature research paper with the key motivations and ideas, with outlines of the proofs of the key theorems, with references and a (favorable) comparison to related work, but without full details of proofs or implemented systems, without the description of future work, without ramifications that are irrelevant to the key ideas. A good extended abstract convinces a specialist referee of the significance of the described research in about one hour. Submissions that fail to comply with these content and size requirements may be rejected (without refereeing), no matter how high the scientific merit of the discussed work.

Programme Committee

Pierre Flener, Bilkent University, Turkey (programme chair)
Nicoletta Cocco, University of Venice, Italy
Andreas Hamfelt, Uppsala University, Sweden
Kung-Kiu Lau, University of Manchester, UK (workshop chair)
Baudouin Le Charlier, University of Namur, Belgium
Michael Leuschel, Catholic University of Leuven, Belgium
Michael Lowry, NASA Ames, USA
Ali Mili, Institute for Software Research, USA
Lee Naish, Melbourne University, Australia
Mario Ornaghi, University of Milan, Italy
Alberto Pettorossi, University of Rome II, Italy
Dave Robertson, University of Edinburgh, UK
Richard Waldinger, SRI International, USA

Important Dates

Submission of extended abstracts:	27 March 1998
Notification to authors:	1 May 1998
Submission of full papers:	25 September 1998
Notification to authors:	30 October 1998

Submissions

Electronic submissions are strongly encouraged. See the workshop homepage for full instructions regarding the formatting requirements and the electronic submission procedure. Address all correspondence (email preferred) to:

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