Preface

This volume contains selected papers of LOPSTR 2000, the Tenth International Workshop on Logic-based Program Synthesis and Transformation.[1] In a departure from previous years, LOPSTR 2000 constituted the Program Development stream at CL 2000, the First International Conference on Computational Logic, held at Imperial College, London, on 24-28 July 2000.

This meant that the LOPSTR 2000 Program Committee was also the CL 2000 Program Committee for Program Development, and as such had the responsibility for all Program Development submissions to CL 2000, in addition to the usual LOPSTR abstracts. As a result, there were 18 talks at the workshop, with four papers appearing in the proceedings of CL 2000,[2] and 14 abstracts in the LOPSTR 2000 pre-proceedings.[3] In this volume we have papers based on ten of the abstracts.

So, paradoxically, this volume is slimmer than previous LOPSTR proceedings, whilst this year's Program Committee have had to deal with more submissions and more categories than usual! My heartfelt thanks go to all the members of the Program Committee for their hard and conscientious work in reviewing and selecting the papers at various stages. I would also like to thank all the additional reviewers for their efforts and professionalism.

For organizing CL 2000, I would like to thank the conference chair Marek Sergot, the program chair John Lloyd, and the local organizers Frank Kriwaczek and Francesca Toni. Their efforts were pivotal for the success of CL 2000.

Finally, I would like to thank all the authors who submitted papers and all the workshop attendees. Your continued support is crucial to the future of LOPSTR. The next LOPSTR workshop will be held in Cyprus, with ICLP 2001 and CP 2001. It will mark the tenth anniversary of LOPSTR, so I hope to see many of you there!

March 2001 Kung-Kiu Lau

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[1] `http://www.cs.man.ac.uk/~kung-kiu/lopstr`

[2] J.W. Lloyd, V. Dahl, U. Furbach, M. Kerber, K.-K. Lau, C. Palamidessi, L.M. Pereira, Y. Sagiv, P. Stuckey, editors, *Computational Logic — CL 2000, Lecture Notes in Artificial Intelligence* 1861, Springer-Verlag, 2000.

[3] K.-K. Lau, editor, *Pre-Proceedings of the Tenth International Workshop on Logic-based Program Synthesis and Transformation*, Technical Report UMCS-00-6-1, Department of Computer Science, University of Manchester, June 2000. ISSN 1361-6161. (Electronic version at: `http://www.cs.man.ac.uk/cstechrep/Abstracts/UMCS-00-6-1.html`.)

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