Foreword

The LFM workshops are intented to bring together researchers involved in the design, meta-theoretical study, development, and applications of logical frameworks and meta-languages.

Logical frameworks are intended as a common substrate for representing, implementing, and reasoning in and about a wide variety of logics and formal systems. The quest for well-adapted tools for formal reasoning about logics, languages, programs and algorithms entails the need for well-adapted formalisms. The high level of activity of the field is reflected by the variety of recent systems implementing various logical frameworks (including Alf, Coq, NuPrl, HOL, Isabelle, Maude, lambda-Prolog, and Twelf).

The first LFM workshop was organized by David Basin, Iliano Cervesato, Joëlle Despeyroux, Amy Felty, Sara Kalvala, and Raymond McDowell as part of the Colloquium on Principles, Logics, and Implementations of High-Level Programming Languages (PLI'99) at Paris, France, in September 1999.

In addition to the six contributed papers presented at the workshop, this collection contains a paper corresponding to the invited talk by Benjamin Pierce (University of Pennsylvania, US).

We would like to thank the authors of the submitted papers, the invited speaker, and the members of the program committee for their contribution to both the meeting and this volume. We also would like to thank INRIA for the printing of the proceedings, and the LICS organizing committee at UCSB for hosting LFM'2000.

Joëlle Despeyroux

LFM'00 Program Committee