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Preface

The International Conference on Compiler Construction (CC) provides a forum for presentation and discussion of recent developments in the area of compiler construction, language implementation and language design.

Its scope ranges from compilation methods and tools to implementation techniques for specific requirements on languages and target architectures. It also includes language design and programming environments issues which are related to language translation. There is an emphasis on practical and efficient techniques.

This volume contains a selection of the papers which were accepted for presentation at CC'94, the fifth International Conference on Compiler Construction, held in Edinburgh, Scotland, 7-9 April 1994. This is a continuation of the CC series of workshops which was started in Germany in 1986, and has lately grown into a regular conference. In October 1992 the CC program committee decided to synchronize the CC conferences with the ESOP/CAAP conferences, in order to provide a European conference week covering a range of subjects, both practical and theoretical, related to programming languages and their implementation. CC'94 is the first in the CC series to be co-located in this way.

The good response to the call for papers shows the need for a forum on compiler construction and language implementation: 77 papers were submitted, of which the program committee selected 29 for presentation and inclusion in this volume. Further contributions were selected to be presented at a poster and demo session, where also a number of tools and systems were shown. The poster papers were printed in a technical report at the Department of Computer and Information Science, Linköping University, Linköping, Sweden. The conference program started with a keynote speech by Professor Kristen Nygaard on the subject: "The Language Designer - the Implementor's Friend or Foe?".

On behalf of the Program Committee, the Program Chairman would like to thank all those who submitted papers to CC'94. Thanks also go to the Program Committee and others who helped in reviewing and evaluating the papers. Also, special thanks to the invited keynote speaker, Professor Kristen Nygaard from the University of Oslo in Norway. Last but not the least, the effort of all those who helped in organizing the conference, especially the local organizers in Edinburgh, is gratefully acknowledged. CC'94 was hosted by the University of Edinburgh.

Linköping, January 1994

Peter Fritzon

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