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Editor

Austin Melton
Department of Computer Science, Kansas State University
Nichols Hall, Manhattan, Kansas 66506, USA

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FOREWORD

The purpose of the conference on the Mathematical Foundations of Programming Semantics was to bring together computer scientists and mathematicians so that (1) the computer scientists could become more familiar with relevant mathematical research, (2) the mathematicians could get a new perspective on their work by seeing it applied, and (3) both groups could become more aware of their common areas of research. It is, therefore, appropriate that these proceedings include papers about programming semantics, papers with mathematical results which are immediately applicable to semantics research, and papers with mathematical results which are potentially useful in semantics research.

This conference was made possible by financial support from the Computer Science Departments at Iowa State University, the University of Kansas, and the University of Nebraska; from the Computer Science Department and the Mathematics and Statistics Department at Wichita State University; and from the College of Arts and Sciences, the Graduate School, and the Computer Science Department at Kansas State University.

The keynote speaker was Dana S. Scott, Carnegie-Mellon University. The other invited speakers were Stephen D. Brookes, Carnegie-Mellon University; Carl A. Gunter, Carnegie-Mellon University; Horst Herrlich, University of Bremen, West Germany; George E. Strecker, Kansas State University; and Adrian Tang, University of Kansas.

The Conference and Program Committee consisted of Richard J. Greechie, Kansas State University; David A. Gustafson, Kansas State University; Tsutomu Kamimura, University of Kansas; Roy F. Keller, University of Nebraska; Austin Melton, co-chairperson, Kansas State University; Robert W. Neufeld, Wichita State University; Diana G. P. Palenz, Wichita State University; David A. Schmidt, Iowa State University; Elizabeth A. Unger, co-chairperson, Kansas State University; and Robert C. Wherritt, Wichita State University.

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Austin Melton

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