

# Preface

This volume contains the proceedings of the International Symposium on Computing in Object-Oriented Parallel Environments (ISCOPE 99), held in San Francisco, California, USA on December 8–10, 1999. ISCOPE is in its third year,<sup>1</sup> and continues to grow both in attendance and in the diversity of the subjects covered. The original ISCOPE meetings and the predecessor conferences focused more narrowly on scientific computing in the high-performance arena. ISCOPE 98 retained this emphasis, but broadened to include discrete-event simulation, mobile computing, and web-based metacomputing. ISCOPE 99 continues this trend.

The ISCOPE 99 program committee received 41 submissions, and accepted 14 (34%) as regular papers, based on their excellent content, maturity of development, and likelihood for widespread interest. In addition, the program committee selected six submissions as short papers. These papers were deemed to represent important work of a more specialized nature or to describe projects that are still in development.

The 20 papers are divided into seven technical categories:

- Compilers and Optimization Techniques
- New Application Areas
- Components and Metacomputing
- Numerical Frameworks
- Generic Programming and Skeletons
- Application-Specific Frameworks
- Runtime Systems and Techniques

This collection of 20 papers represents today's state of the art in applying object-oriented methods to parallel computing. ISCOPE 99 is truly international in scope, with its 52 contributing authors representing 21 research institutions in 8 countries. The ISCOPE 99 organizers are confident that the reader will share their excitement about this dynamic and important area of computer science and applications research.

At the end of this volume, the author contacts section details the affiliations, postal addresses, and email addresses of all the proceedings authors.

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Satoshi Matsuoka  
Rodney R. Oldehoeft  
Marydell Tholburn

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<sup>1</sup> The ISCOPE 97 and ISCOPE 98 proceedings are available from Springer as LNCS Volumes 1343 and 1505, respectively.

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