Preface

This volume contains the papers presented at the sixth workshop on Job Scheduling Strategies for Parallel Processing, which was held in conjunction with the IPDPS 2000 Conference in Cancun, Mexico, on 1 May 2000. The papers have been through a complete refereeing process, with the full version being read and evaluated by five to seven members of the program committee. We would like to take this opportunity to thank the program committee, Andrea Arpaci-Dusseau, Fran Berman, Steve Chapin, Allen Downey, Allan Gottlieb, Atsushi Hori, Phil Krueger, Richard Lagerstrom, Virginia Lo, Reagan Moore, Bill Nitzberg, Uwe Schwiegelshohn, and Mark Squillante, for an excellent job. Thanks are also due to the authors for their submissions, presentations, and final revisions for this volume. Finally, we would like to thank the MIT Laboratory for Computer Science and the Computer Science Institute at the Hebrew University for the use of their facilities in the preparation of these proceedings.

This was the sixth annual workshop in this series, which reflects the continued interest in this field. The previous five were held in conjunction with IPPS'95 through IPPS/SPDP'99. Their proceedings are available from Springer-Verlag as volumes 949, 1162, 1291, 1459, and 1659 of the Lecture Notes in Computer Science series. The last two are also available on-line from Springer LINK.

In addition to papers on traditional core areas of the workshop, such as gang scheduling and the effect of workload characteristics on performance, we experienced a return to basics. This was manifested in two recurring topics. One was the issue of system valuation (as in *value*), which included a report on the ASCI valuation project, a paper on the ESP system-level benchmark proposal, and a lively discussion that forced us to rearrange the division of papers into sessions. The other was advance reservations for meta-scheduling, which is similar to ideas such as backfilling on MPPs, but different enough to require new ideas, mechanisms, and policies.

We hope you find these papers interesting and useful.

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