Preface

On February 26–27, 2004, the 3rd International Workshop on Peer-to-Peer Systems (IPTPS 2004) brought researchers and practitioners together to discuss the latest developments in peer-to-peer technologies, applications, and systems. As the third workshop in the series, IPTPS 2004 continued the success of the previous workshops in pioneering the state of the art in peer-to-peer systems and identifying key research challenges in the area.

The workshop received 145 submissions in the form of five-page position papers. As with previous workshops, submissions went through two rounds of reviews by an international program committee of 14 experts from industry and academia. In the first round each submission received two reviews. In the second round we focused our attention on submissions with either positive reviews, or with reviews that expressed substantially different opinions. In addition to the technical merit, the reviewing process emphasized originality and the potential of the submission to lead to interesting discussions during the workshop.

In the end, the program committee selected a workshop program of 27 papers covering a wide range of topics including new peer-to-peer applications, advances in routing, load balancing, searching, as well as transport, mobility, and other networking topics. Authors revised accepted position papers to six pages for the workshop program, and made a final round of revision for this volume.

The workshop was composed of eight sessions that spanned two days. To focus discussions, attendance was limited to 67 participants and included substantial time for interaction and discussion between sessions and at social events. A hallmark of the IPTPS workshops is that they serve as a crossroads for researchers to gather from many disciplines and communities, including systems, networking, databases, theory, and scientific computing. The workshop this year continued the trend with lively discussions and insight provided by researchers from these many fields.

The workshop would not have been a success without substantial help from a variety of people. First, we thank the program committee for their dedication and effort during an intense reviewing period spanning the winter holidays. The high quality and diversity of the program is due to their insight, experience, and commitment. We would also like to thank Jennifer Anderson for the outstanding local arrangements at the Sea Lodge in La Jolla, Marvin McNett for system administrative support for the IPTPS 2004 Web server, and Michelle Panik for assistance with formatting this volume. And we graciously thank our sponsors, Microsoft Research and Intel, for their continued generous support of the IPTPS workshops.

This volume includes a report on the discussions during the technical sessions. This report conveys the interactions during the workshop beyond the material included in position papers and presented in talks. We thank Sumeet Singh,

Sriram Ramabhadran, and Kiran Tati for diligently taking notes during the workshop and collecting them into this report.

Finally, we thank all authors who submitted papers to the workshop for continuing to make peer-to-peer computing a vibrant research community, the authors of accepted papers for their ideas and contributions to the area, the speakers for spirited and engaging talks, and all participants for making the workshop a success.

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