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Preface

This volume contains the papers presented at the 5th International Workshop on Advanced Parallel Processing Technologies, APPT 2003. This series of workshops is designed to strengthen the cooperation between the German and Chinese institutions active in the area of these technologies. It has continued to grow, providing an excellent forum for reporting advances in parallel processing technologies. The 5th workshop itself addressed the entire gamut of related topics, ranging from the architectural aspects of parallel computer hardware and system software to the applied technologies for novel applications.

For this workshop, we received over 191 full submissions from researchers all over the world. All the papers were peer-reviewed in depth and qualitatively graded on their relevance, originality, significance, presentation, and the overall appropriateness for their acceptance. Any concerns raised were discussed in the program committee. The organizing committee did an excellent job in selecting 78 papers (Among them, 21 were short ones) for presentation. In short, the papers included here represent the forefront of research from China, Germany, and the other countries.

The convocation of APPT 2003 was made possible by the collective efforts of many people and organizations. We would like to express our special thanks to the Architecture Professional Committee of China Computer Federation (APC-CCF), the National Natural Science Foundation of China (NSFC), and the Xiamen Software Park. Without the extensive support from many communities for both the technical program and the local arrangements, we would not have been able to hold the workshop in Xiamen. Our thanks also go to Springer-Verlag for its assistance in putting the proceedings together.

We would like to take this opportunity to thank all the authors, many of whom travelled great distances to participate in this workshop and make their valuable contributions. We would also like to express our gratitude to the program committee members and all the other reviewers for the time and work they put into the thorough reviewing of the large number of papers submitted. Last but not least, our thanks also go to the local organizing committee for the great job it did in making the local arrangements and organizing an attractive social program.

September 2003 Xingming Zhou

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