Hai Jin
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Jianhua Sun (Eds.)

Grid and Cooperative Computing – GCC 2004

Third International Conference
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Volume Editors

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Preface

Welcome to the proceedings of GCC 2004 and the city of Wuhan. Grid computing has become a mainstream research area in computer science and the GCC conference has become one of the premier forums for presentation of new and exciting research in all aspects of grid and cooperative computing. The program committee is pleased to present the proceedings of the 3rd International Conference on Grid and Cooperative Computing (GCC 2004), which comprises a collection of excellent technical papers, posters, workshops, and keynote speeches. The papers accepted cover a wide range of exciting topics, including resource grid and service grid, information grid and knowledge grid, grid monitoring, management and organization tools, grid portal, grid service, Web services and their QoS, service orchestration, grid middleware and toolkits, software glue technologies, grid security, innovative grid applications, advanced resource reservation and scheduling, performance evaluation and modeling, computer-supported cooperative work, P2P computing, automatic computing, and meta-information management.

The conference continues to grow and this year a record total of 581 manuscripts (including workshop submissions) were submitted for consideration. Expecting this growth, the size of the program committee was increased from 50 members for GCC 2003 for 70 in GCC 2004. Relevant differences from previous editions of the conference: it is worth mentioning a significant increase in the number of papers submitted by authors from outside China; and the acceptance rate was much lower than for previous GCC conferences. From the 427 papers submitted to the main conference, the program committee selected only 96 regular papers for oral presentation and 62 short papers for poster presentation in the program. Five workshops, International Workshop on Agents, and Autonomic Computing, and Grid Enabled Virtual Organizations, International Workshop on Storage Grids and Technologies, International Workshop on Information Security and Survivability for Grid, International Workshop on Visualization and Visual Steering, International Workshop on Information Grid and Knowledge Grid, complemented the outstanding paper sessions.

The submission and review process worked as follows. Each submission was assigned to three program committee members for review. Each program committee member prepared a single review for each assigned paper or assigned a paper to an outside reviewer for review. Given the large number of submissions, each program committee member was assigned roughly 15–20 papers. The program committee members consulted 65 members of the grid computing community in preparing the reviews. Based on the review scores, the program chairs made the final decision. Given the large number of submissions, the selection of papers required a great deal of work on the part of the committee members.

Putting together a conference requires the time and effort of many people. First, we would like to thank all the authors for their hard work in preparing submissions to the conference. We deeply appreciate the effort and contributions of the program committee members who worked very hard to select the very best submissions and to put together an exciting program. We are also very grateful for the numerous suggestions

we received from them. Also, we especially thank the effort of those program committee members who delivered their reviews in a timely manner despite having to face very difficult personal situations. The effort of the external reviewers is also deeply appreciated. We are also very grateful to Ian Foster, Jack Dongarra, Charlie Catlett, and Tony Hey for accepting our invitation to present a keynote speech, and to Depei Qian for organizing an excellent panel on a very exciting and important topic. Thanks go to the workshop chairs for organizing five excellent workshops on several important topics in grid computing. We would also like to thank Pingpeng Yuan for installing and maintaining the submission website and working tirelessly to overcome the limitations of the tool we used.

We deeply appreciate the tremendous efforts of all the members of the organizing committee. We would like to thank the general co-chairs, Prof. Andrew A. Chien and Prof. Xicheng Lu for their advice and continued support. Finally, we would like to thank the GCC steering committee for the opportunity to serve as the program chairs as well as their guidance through the process. We hope that the attendees enjoyed this conference and found the technical program to be exciting.

<div align="right">Hai Jin and Yi Pan</div>

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