This is the sixth edition of the International Workshop on Algorithms, Models and Tools for Parallel Computing on Heterogeneous Networks (HeteroPar 2007). The response to the call for papers was very good: we received 17 strong submissions from 9 countries including Austria, China, France, Germany, Hungary, Ireland, Japan, Spain and Tunisia.

All submitted papers were distributed to four members of the Program Committee for evaluation. The PC members either reviewed the papers themselves, or solicited external reviewers. The reviewing process went quite smoothly, and each paper received at least 3 reviews. The final decisions on acceptance/rejection were based upon the reviews resulting in selection of 9 papers.

We congratulate the authors of accepted papers, and we regret that some potentially interesting papers could not be accepted, mainly due to unsatisfactory quality of presentation of the research results. The presentation of the accepted papers is organized in 3 sessions:

- Scheduling on Heterogeneous Platforms;
- Applications;

Altogether, the papers cover a broad spectrum of topics presenting new ideas, dedicated algorithms, and tools for efficient use of heterogeneous networks of computers.

We would like to thank all the authors submitted their work to HeteroPar 2007. We are very grateful to all the PC members for their efforts in promoting the workshop and reviewing the manuscripts. HeteroPar 2007 is held in association with the IEEE Cluster 2007. We really appreciate the cooperation and assistance we have received from the Cluster 2007 organizers and we particularly express our gratitude to Dan Katz and Kent Milfeld.

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