

Foreword

This Special Issue is devoted to the presentation of papers on research issues and developments in the exciting fields of parallel numerics and parallel computing in image processing, video processing and multimedia. These domains belong to kernels of the high-performance-computing area. They reflect the rapid development and widespread use of parallel computing technology nowadays.

The papers seek to give an impression on the 4th International ACPC Conference which was held in Salzburg, Austria on February 16–18, 1999. The conference received 75 submissions from 22 countries around the world. This Issue features 6 representatives of accepted papers for the conference. Against their appearance in the proceedings, they are newly fashioned in both contents and form. Three of them concern parallel numerical computing and algorithms, while the remaining three come from the second main track of the conference, which was focused on parallelism in image and video processing and multimedia.

It is our fervent wish to attract with this Special Issue the attention of CIT readers to the challenging field of parallel computing, particularly for numerical and image processing applications. In this respect we acknowledge the decision and cooperation of the CIT journal for giving us this opportunity.

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