

Preface

This special issue is devoted to articles selected from the manuscripts submitted to the Guest Editor after being presented at the International Symposium on Distributed Computing and Applications to Business, Engineering, and Science (DCABES2002), held at the Southern Yangtze University, Wuxi, China, 16th – 19th December 2002. There were 45 papers presented at the conference, of which 13 were from outside China, and included contributions from Canada, Japan, the Netherlands, the UK, and the US. Papers covered areas such as Distributed and Parallel Algorithms, Distributed and Parallel Applications, Systems Architectures, and Software Tools and Environment for Distributed Platforms. There were six keynote speakers, including two from the UK, one from the US, and three from China, and covered areas such as Financial Modelling, P.D.E. Optimisation, the UK e-Science Programme, Agent-Based Grid Computing, and Supercomputing in China.

This special issue is devoted to Distributed Computing and Applications. The Guest Editor, in consultation with the Steering Committee of the DCABES, has issued a call for paper submission on articles presented

at the DCABES2002 and devoted to distributed and/or parallel computing with applications being one of the emphases to be discussed in the submissions. A total of six high quality articles have been selected from the manuscripts submitted. These articles deal with some of the important areas of in the use of distributed computing for real scientific applications. The articles discuss state-of-the-art distributed and parallel numerical techniques for a range of applications, including financial modelling, system optimisation, image processing, linear algebra, and electronic packaging.

The selection process has followed the usual practice of Scientific Programming, which involves each paper being reviewed by up to three referees. The review process has been very successful due to the hard work of the referees and the guest editor would like to thank the authors and the reviewers for their input to this special issue.

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