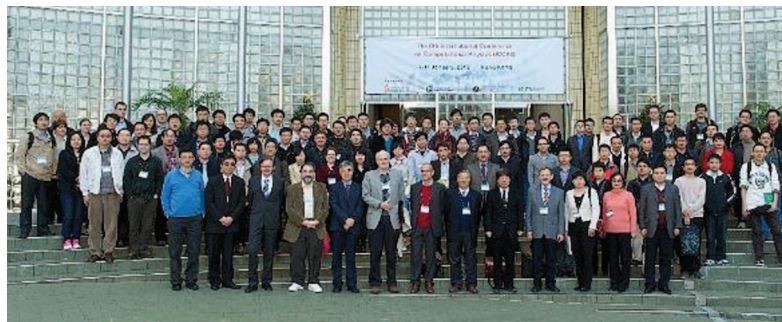


Preface

The 8th International Conference on Computational Physics (ICCP8)

The International Conference on Computational Physics (ICCP) is a series of the conference organized by the Institute of Applied Physics and Computational Mathematics (IAPCM). The 7th of this series was held in Beijing from May 17 to 20, 2010, and the 8th ICCP8 was held in Hong Kong on 7-11 January, 2013. The ICCP8 is organized by the IAPCM and Hong Kong Baptist University (HKBU). The conference aims to bring together researchers, scientists, engineers, and students to exchange and stimulate ideas from different disciplines, to discuss the practical challenges encountered and the solutions adopted, and to learn about the recent developments in frontiers of theory and numerical methods in computational physics.

After the conference, over 30 papers have been submitted for publication in this special issue. With rigorous peer-review process, 18 papers are accepted for publication in the special issue. We would like to take this opportunity to thank all the authors for submitting their high quality works to this special issue.



Finally, we express our sincere thanks to the reviewers and the editors who have worked together seamlessly to make the publication of this special issue possible. We would also like to thank the Scientific Committee members and the local organizing committee members for their support. The final support from the Croucher Foundation, Hong Kong Baptist University (HKBU), Institute of Applied Physics and Computational Mathematics (IAPCM) at Beijing, and Institute of Computational and Theoretical Studies of HKBU is very much appreciated.

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