Recent Advances in Adaptive Computation

Proceedings of the International Conference on Recent Advances in Adaptive Computation
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Zhejiang University, Hangzhou, China

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Preface

Over the past decades there have been very rapid developments in adaptive computations. To review the recent developments and to explore exciting new directions in this area, the International Conference on Recent Advances in Adaptive Computation was held at the Mathematical Research Center of Zhejiang University in Hangzhou, China, on May 24-26, 2004. The conference covers modern theories and practical applications of the adaptive methods. The scope of the conference is to bring together both specialists and users to discuss the state of the art and the new directions of adaptive computations.

The conference attracted a number of leading scientists in adaptive computations, including the following invited speakers: Mark Alnaesworth (University of Strathclyde, Scotland), Carsten Carstensen (Humboldt University at Berlin, Germany), Zikang Chen (Chinese Academy of Sciences, China), Benqi Guo (University of Manitoba, Canada), Roald W. Hoppe (Universitat Augsburg, Germany), and University of Houston, USA), Stig Larsson (Chalmers University of Technology, Sweden), Steve W.-B. Liu (University of Kent, England), Ralf Hennert (University of Heidelberg, Germany), Alfred H. Schatz (Cornell University, USA), and Zhi-Tang (Hong Kong Baptist University, China). It also drew an international audience of 85 people. Detailed information, including invited speakers, the organizing committee, and conference programs, can be found at http://www.orsc.cc.cc/acs90.

We are very grateful for the generous financial support provided by the Institute of Computational Mathematics of the Chinese Academy of Sciences as well as the International Research Team on Complex Systems of the Chinese Academy of Sciences and the Large Scale Scientific Computation Research Project of the Ministry of Science and Technology of China.

A number of staff members at Zhejiang University and the Institute of Computational Mathematics, Chinese Academy of Sciences, worked together to handle detailed conference arrangements. We would especially like to thank Professor Xinghua Wang (Chairman of the local organizing committee), Professor Yongwei Xu (Deputy Director of the Mathematical Research Center of Zhejiang University), and Professor Deng Hu (Associate Head of the Department of Mathematics) for their great support. We would also like to thank Professor Xiuqiang Zheng, Mr. Weiqiong Zhang, and Mr. Heze Wang for their help. We appreciate their assistance in making the conference organization a success.
PREFACE

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