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PREFACE

The DCABES is a community working in the area of Distributed Computing and its Applications in Business, Engineering, and Sciences, and is responsible for organizing meetings and symposia related to the field. The DCABES 2007 is the Sixth International Conference on Distributed Computing and Applications for Business, Engineering and Sciences held on 14-17 August 2007 in the Three Gorges, Yichang, Hubei, China. It is the third time for the DCABES international conference to be organized by School of Computer Science and Technology, [Wuhan University of Technology](http://www.wut.ac.cn).

As in previous conferences, the DCABES intends to bring together researchers and developers in the academic field and industry from around the world to share their research experience and to explore research collaboration in the areas of distributed parallel processing and applications.

In recent years, more and more attentions have been put on to the distributed parallel computing. I am confident that the distributed parallel computing will play an even greater role in the near future, since distributed computing resources, once properly cooperated together, will achieve a great computing power and get a high ratio of performance/price in parallel computing. In fact the grid computing is a direct descendent of the distributed computing.

We are gratified that the DCABES 2007 has received more than 500 papers submission, which cover a wide range of topics, such as Grid Computing, Mobile Computing, Parallel/Distributed Algorithms, Image Processing and Multimedia Applications, Parallel/Distributed Computational Methods in Engineering, System Architectures, Networking and Protocols, Web-Based Computing & E-Business, E-Education, Network Security and various types of applications etc.

All papers contained in this Proceedings are peer-reviewed and carefully chosen by members of Scientific Committee and external reviewers. Papers accepted or rejected are based on majority opinions of the referees. All papers contained in this Proceedings give us a glimpse of what future technology and applications are being studied in the distributed parallel computing area in the world.

I would like to thank all members of the Scientific Committee, the local organizer committee, the external reviewers for selecting papers. Special thanks are due to Professor, Dr. Choi-Hong LAI, who co-chaired the Scientific Committee with me. It is indeed a pleasure to work with him and obtain his suggestions.

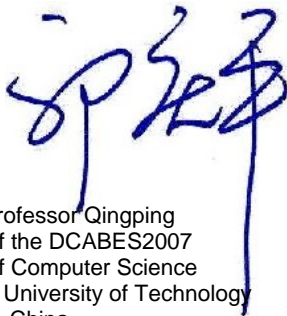
Also sincere thanks should be forward to Mr Tsui Y M Thomas, Chinese University of Hong Kong, Professor Xu W.B., Southern Yangtze University for their enthusiastically taking part in and supporting the DCABES conference.

I am also grateful to Prof. Souheil Khaddaj, Kingston University, London, UK.; Prof. V.P. Kutepov, Moscow Power Engineering Institute (Technical University), Russia; Prof. A J Davies, University of Hertfordshire, UK; Prof. Xiao-ChuanCai, University of Colorado at Boulder, USA; Prof. Choi-Hong Lai, University of Greenwich, London, UK for their contributions of keynote speeches in the conference.

Sincerely thanks should be forwarded to the Natural Science Foundation of China (NSFC), the China Ministry of Education (MOE), without their supports the DCABES 2007 could not be held in China successfully. We would also like to thank the WUT (Wuhan University of Technology, China), the National Parallel Computing Society of China (NPCS), the ISTCA (International Science and Technology Cooperation of Hubei Province, China), and the CAA (Computer Academic Association of Hubei Province & Wuhan Metropolis, China) for their supports as local organizers of the conference.

Finally I should also thank A/Professor Jian Guo for his efforts in conference organizing activities. The special thanks also should be given to my graduate students, Mr. Shadi Ibrahim for the conference website design, Mr. YeTian Li, Liang Huang and ZhiChao Yan for their efforts in organizing activities. It also should be mentioned that my graduate students, Mr YeTian Li, Liang Huang, HaiXiong An, Ms LiangLiang Wang, Yang Yang, Lin Chen, PengPeng Duan, Mr. YongQin Jia, Zhen Zhou, YuZhong Chao of the grade 2005; Mr. ZhiChao Yan, Peng Cui, Ms JuanJuan Zhao, Mr. Lin Hu, Wei Tang, GuangYou Zhou, YiFan Huang, Fan Yang of the grade 2006 spent a lot of time and efforts typesetting the proceedings. Without their help the proceedings could not looks so good.

Enjoy your stay in Three Gorges of the Yangtze River, China. Hope to meet you again at the DCABES 2008.



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