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Preface

This volume contains the papers presented at the International Workshop on Intelligent Computing in Pattern Analysis/Synthesis (IWICPAS 2006), which was organized as a satellite workshop of the 18th International Conference on Pattern Recognition (ICPR 2006) in Hong Kong. This workshop brings together researchers and engineers from the field of pattern analysis/synthesis around the world. It is an international forum for identifying, encouraging and exchanging new ideas on different topics of pattern analysis/synthesis as well as promoting novel applications in an attempt to extend the frontiers of this fascinating research field.

IWICPAS 2006 attracted a record number of 264 paper submissions from 20 different countries. Out of these, 51 papers were accepted by the Program Committee for publication in this volume. The papers in this volume cover topics including: object detection, tracking and recognition, pattern representation and modeling, visual pattern modeling, image processing, compression and coding and texture analysis/synthesis.

The organization of IWICPAS 2006 benefited from the collaboration of many individuals. Foremost, we express our appreciation to the Program Committee members and the additional reviewers who provided thorough and timely reviews. We thank Xuelong Li for his technical assistance with publication of a special issue of the *International Journal of Computer Mathematics* (IJCM, Taylor & Francis). Finally, we thank the members of the IWICPAS 2006 Executive Committee for all their efforts in making IWICPAS 2006 a successful workshop.

It would have been impossible to organize the workshop without the financial support of the National Natural Science Foundation of China. In addition, the technical support of Xi'an Jiaotong University is gratefully acknowledged.

August 2006

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Nanning Zheng
Program Chair, IWICPAS 2006
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