Preface

This series constitutes a collection of selected papers presented at the International Conference on Medical Imaging and Informatics (MIMI2007), held during August 14–16, in Beijing, China. The conference, the second of its kind, was funded by the European Commission (EC) under the Asia IT&C programme and was co-organized by Middlesex University, UK and Capital University of Medical Sciences, China.

The aim of the conference was to initiate links between Asia and Europe and to exchange research results and ideas in the field of medical imaging. A wide range of topics were covered during the conference that attracted an audience from 18 countries/regions (Canada, China, Finland, Greece, Hong Kong, Italy, Japan, Korea, Libya, Macao, Malaysia, Norway, Pakistan, Singapore, Switzerland, Taiwan, the United Kingdom, and the USA). From about 110 submitted papers, 50 papers were selected for oral presentations, and 20 for posters. Six key-note speeches were delivered during the conference presenting the state of the art of medical informatics. Two workshops were also organized covering the topics of “Legal, Ethical and Social Issues in Medical Imaging” and “Informatics” and “Computer-Aided Diagnosis (CAD),” respectively. This series presents the cutting-edge technology applied in the medical field, which can be epitomized by the second and sixth papers in the session of “Medical Image Segmentation and Registration,” on the application of bio-mimicking techniques for the segmentation of MR brain images. Paper 4 in the session of “Key-Note Speeches” describes the pioneering work on frameless stereotactic operations for the removal of brain tumors, whereas the paper entitled “CAD on Brain, Fundus, and Breast” was presented in the session of “Computer-Aided Detection (CAD).”

A special tribute is paid to Paolo Inchingolo from the University of Trieste, Italy, one of the key-note speakers, who sadly passed away due to sudden illness. Professor Inchingolo specialized in health-care systems and tele-imaging. His paper appears as the second in the session of “Key-Note Speeches.”

The editors would like to thank the EC for their financial support and also the China Medical Informatics Association (CMIA) for their support. Special thanks go to the reviewers who proof-read the final manuscripts of the papers collected in this book, in particular, Tony White, Ray Adams, Stephen Batty, Christian Huyck, and Peter Passmore.

January 2008

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