

# Preface

Recently, with the growing of the E/M/U-Learning technologies, the testing and assessment using computers called the Computer-Based Testing (CBT) or Computer Adaptive Testing (CAT) is a new trend. Thus, the research of new testing technology such as simulation-based, scenario-based, interactive, multimedia, etc. to support the higher skills testing; the assessment technology such as performance-based assessment, misconception diagnosis, ontology or concept map supported assessment, etc. are getting more and more important. Besides, the authoring tools and standard platform (such as IMS QTI) to support the creation and management of test items are also the important issues to contribute the development of testing and assessment. This workshop aims to bring researchers who are interested in the frontier technology of Testing and Assessment to review the current state-of-art, exchange the latest ideas and explore future directions.

The paper presentations by speakers are expected to further illuminate the subject matter. They are all worthy of your participation. We are sure that you will find interesting ideas from listening to and discussing with the presenters. We would like to thank all presenters for their generosity in sharing their work, ideas, and knowledge with us and all the attendees for the opportunity to join us. We believe the scholarly interchange you bring will ultimately serve to enrich us all and the professional society.

Best wishes for an enjoyable and productive meeting.

## Chapter Editors

Professor Shian-Shyong Tseng  
National Chiao Tung University, Taiwan  
Professor Bor-Chen Kuo  
National Taichung University, Taiwan