

## Editor's Preface

This volume contains 44 six-page full length papers presented at the 6<sup>th</sup> International Forum on Advanced Material Science and Technology (IFAMST 2008) held in The Hong Kong Polytechnic University, Hong Kong, China from 12 to 14 June 2008.

The full length papers of 6 invited papers are included in the beginning of the book. The remaining 38 full length papers are selected and arranged in 6 special sessions.

Started in 1998, the International Forum on Advanced Material Science and Technology (IFAMST) takes place every two years around the world. The previous five forums were successfully held in London of UK, Tokyo of Japan, Anshan of China, Troyes of France and Zhangjiajie of China. This is the first time that the international forum is hosted in Hong Kong. Its scope is to bring scientists and engineers of different countries working in various fields together for discussing about the latest development and world-wide cooperation concerned with advanced material science and technology. IFAMST 2008 was organized by The Hong Kong Polytechnic University and was sponsored by Saitama Institute of Technology, The Hong Kong Polytechnic University, Hong Kong Society of Theoretical and Applied Mechanics. IFAMST 2008 focused on all aspects of material science and technology with emphasis to nanostructured materials and nanostructures. The technical program of IFAMST 2008 was the product of hard work and devotion of more than 20 world leading experts to whom I am greatly indebted. The success of IFAMST 2008 relied solely on the dedication and titanic work of the members of Local Organizing Committee, the pillars of IFAMST 2008. As chairman of IFAMST 2008, I am honoured to have them on the Committee and have worked closely with them for a successful conference.

More than one hundred participants attended IFAMST 2008, while more than 80 papers were presented. The participants of IFAMST 2008 came from 11 countries. Roughly speaking, 50% of them were from Asia, 10% from Europe, 10% from America and 10% from other countries. I am happy and proud to have welcomed in Hong Kong well-known experts who came to discuss problems related to the analysis of advanced material science and technology.

I very sincerely thank the authors who have contributed to this volume and the referees who reviewed the quality of the submitted contributions. Our sponsors' support, either financial or moral, is gratefully acknowledged. The members of the Organizing Committee as well as other numerous individuals behind the scenes, especially Miss Joanne Cheng who acted as the Conference Secretary, are greatly appreciated for their tireless effort and dedication in the organization of the conference. Finally, a special word of thanks goes to Mr. Thomas Wohlbier and Ms. Anne Wohlbier of Trans Tech Publications Ltd. for the nice appearance of this book and his kind and continuous collaboration and support.

Jian Lu  
Chairman of IFASMT 2008  
The Hong Kong Polytechnic University  
Hong Kong, China