

## Preface

The 7th cross-strait workshop on engineering materials (CSWEM 2012) was held on November 23-24, 2012 in National Formosa University, Taiwan. The workshop was organized by National United University, Miaoli, Taiwan. Scholars and experts from the cross-strait got together to exchange their experience and ideas on the progress in engineering materials. The objective of the workshop is hoped to forge cooperative links with scholars across the Taiwan Straits.

CSWEM 2012 includes invited four keynote lectures by distinguished researchers in Taiwan and Mainland China as well as 36 oral presentations covering all aspects of research and technology of engineering materials. The CSWEM addresses the fundamental and applied research focused on various fields of engineering materials. Session topics focused on experimental, theoretical, and manufacturing issues associated with development of new materials and process.

The editors would like to express our thanks and gratitude to the following, without their financial support this workshop would not have been possible: The National Science Council of Taiwan, Mainland Affairs Council, and National United University. In addition, we would also like to appreciate the help from National Formosa University for meeting space and Materials Research Society Taiwan (MRS-T) for publication of the proceedings. We are greatly indebted to the committees of the CSWEM 2012 for putting all their efforts in organizing the workshop. We are also grateful to our participants, session chairpersons and reviewers for showing their keen interest and providing their assistance and cooperation which turned this event to be a brilliant success.

This volume of Key Engineering Materials publishes a part of the works presented in CSWEM 2012. We believe these works will bring some new insights to the development of engineering materials.

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