

Preface

The present volume contains selected papers from the 12th Conference on Machining & Advanced Manufacturing Technology in China (CMAMT), which was previously called Metal Cutting Conference of China Colleges and Universities. The conference is organized and co-organized by The Advanced Machining Technology Institution of China Metal Cutting Tool Engineering Association (CCTA for short) and Huaqiao University.

The Conference on Machining & Advanced Manufacturing Technology in China was inaugurated in 1981, since then twelve nationwide conference and around twelfth regional conferences have been held. The past eleven national conferences were successfully held in Nanjing in 1981, Hefei in 1984, Changsha in 1987, Nanjing in 1991, Wuhan in 1995, Nanjing in 2001, Hangzhou in 2005, Harbin in 2007, Jinan in 2009 and Guangzhou in 2011. They have provided excellent platforms for participants to exchange their new idea and have brought forth new research opportunities and collaborations. Sponsored by Shanghai Institute of Spaceflight Control Technology and Kistler China Limited, the 12th Conference on Machining & Advanced Manufacturing Technology has been successfully held in Xiamen from July 24 to 27, 2013.

This volume presents a selection of 131 papers from the papers submitted to the 12th CMAMT. All of the papers were subjected to peer reviewing by at least two expert referees. The papers selected for this volume are based on their quality and the relevance to the conference. The volume tends to present to the readers the recent advances in the field of machining and advanced manufacturing technology. It is therefore valuable to production and research engineers, research students and academics in the field.

We are grateful to all of the contributors who made this volume possible. As the guest editors of the volume, we wish to acknowledge all of those who have updated and reviewed the papers submitted to the conference. Thanks are also given to Trans Tech Publications for producing the volume and Dr. Congfu Fang and Ms. Weiwei Xiao at Huaqiao University for their secretarial and editing work.

Xipeng Xu Ph.D, Professor

Huaqiao University, Xiamen, Fujian, 361021, China

Chuanzhen Huang Ph.D, Professor

Shandong University, Jinan, Shandong, 250100, China

Chair of the Advanced Machining Technology Institution, CCTA