

Preface

The present volume contains selected papers from the 9th Conference on Machining & Advanced Manufacturing Technology in China, 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), Harbin Institute of Technology, Nanjing University of Aeronautics & Astronautics, Huaqiao University, Harbin University of Science and Technology, and Heilongjiang Institute of Technology.

The Conference on Machining & Advanced Manufacturing Technology in China was inaugurated in 1981, since then nine nationwide conferences and around ninety regional conferences have been held. The past eight national conferences were successfully held in Nanjing in 1981, Hefei in 1984, Changsha in 1987, Nanjing in 1991, Wuhan in 1995, Nanjing in 2001, and Hangzhou in 2005. They have provided excellent platforms for participants to exchange their new ideas and have brought forth new research opportunities and collaborations. With the support of The Advanced Machining Technology Institution of China Metal Cutting Tool Engineering Association, National Nature Science Foundation of China, Production Engineering Institution of CMES, and the Natural Science Foundation of Heilongjiang Province, the 9th Conference on Machining & Advanced Manufacturing Technology has been successfully held in Harbin, the capital of Heilongjiang province, during August 16-19, 2007.

This volume presents a selection of 144 papers from over 300 papers submitted to the conference from universities and industry. All of the papers were subjected to peer reviewing by a 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 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.

The Organizing Committee is grateful to all of the contributors who made this volume possible, especially Harbin University of Science and Technology, and Heilongjiang Institute of Technology. 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 Mr. Guoqin Huang, Dr. Yuan Li, and Mr. Jianyi Chen at Huaqiao University for their secretarial and editing work; and Trans Tech Publications for producing the volume.

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