

Preface

China is the biggest market for machine and cutting tools in the world. The advanced manufacturing technology and cutting tools have a quite good market and at the same time have a huge potential for development and improvement.

The present Volume contains selected papers from 2011 Seminar on Advanced Manufacturing Technology and Cutting Tools (SAMTCT2011) which was held during August 20-22, 2011, in Shanghai, China.

SAMTCT is an annual seminar inaugurated in 2009. It is initiated by Institute of Advanced Technology and Cutting Tools at Shanghai University. The pasted three SAMTCT were held successfully in Shanghai University. They have provided excellent platforms for participants to exchange their new knowledge about manufacturing technology and cutting tools and have brought forth new opportunities and collaborations.

This volume presents a selection of 28 papers from over 60 papers submitted to the organizing committee from universities and industries. All of the papers have been peer reviewed by carefully chosen experts. The papers selected for this volume are based on their quality and the relevance to the seminar. We hope this volume will provide the readers a broad overview of recent advances in the field of manufacturing technology and cutting tools.

The seminar organizing committees are grateful to all the contributors who made this volume possible. As the editor of the volume, I wish to acknowledge all those who have updated and reviewed the papers submitted to this seminar. Special thanks are also given to Professor Donghui Wen from Zhejiang University of Technology for his hard work in the compiling and typesetting of each paper in this volume, and Trans Tech Publications for publishing the volume.

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20-08-2011

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