

Preface

2011 International Conference on Precision Engineering and Non-Traditional Machining (PENTM'2011) is the premier forum for the presentation of new advances and research results in the fields of Precision Engineering and Non-Traditional Machining. The conference brings together leading researchers, engineers and scientists in the domain of interest from around the world. National Conferences on Precision Engineering and Non-Traditional Machining have been held nine times from 1993 to 2009 in China.

The volume provides up-to-date, comprehensive and worldwide state-of-the art knowledge of the Precision Engineering and Non-Traditional Machining, including: precision mechanics design, precision & ultra-precision machining, precision test & control, non-traditional machining, manufacturing information engineering, MEMS/NEMS, optical instrument and technology and material science & technology. All papers included in the volumes have already passed the strict peer-reviewing by 2 expert referees and been accepted for publication.

The editors hope that the volume will not only provide the readers a broad overview of the latest advance but also provide the researchers a valuable summary and reference in this field.

We would like to express our sincere appreciations to all the authors for their contributions. We are indebted to all the referees for their constructive comments on the papers. Thanks are also given to Tran Tech Publication for producing the volumes.

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