

Preface

Applied Mechanics and Civil Engineering (AMCE) aims to bring together academic scientists, leading engineers, industry researchers and scholar students to exchange and share their experiences and research results about all aspects of applied mechanics and civil engineering, and discuss the practical challenges encountered and the solutions adopted.

In 2012, AMCE will be held in Hong Kong, September 15-16, 2012. AMCE 2012 aims to provide a forum for theoretical and technical exchanges regarding the advanced theories, methodologies and techniques about all aspects of applied mechanics and civil engineering. It has attracted some scholars, managers and researchers in relevant fields to discuss their ideas and experience together.

AMCE 2012 received about 200 submissions, which are involved in the fields as follows:
a) Applied Mechanics; b) Building/Construction materials and engineering applications; c) Hydraulic engineering and water treatment; d) Tunnels and underground structures; e) Mechanical Engineering and Instrumentation; f) Civil Engineering; g) Road, bridge and transportation engineering; h) Architecture; i) Building structure and bridge structure; j) Rock & soil mechanics and geotechnical engineering.

54 selected papers are published in the AMCE 2012 proceedings, which are divided into ten topics: Applied Mechanics; Rock & soil mechanics; Building structure and bridge structure; Construction materials and engineering applications; Tunnels and underground structures; Civil Engineering; Hydraulic engineering and water treatment; Mechanical Engineering and Instrumentation; Transportation Engineering; Environmental Engineering and Safety.

I would like to thank Thomas Wohlbier, Anne Wohlbier and other editors from Trans Tech Publications for their excellent work, and hope AMCE 2012 will be successful.

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