

# Preface

The 2nd International Conference on Civil Engineering and Transportation took place in Guilin, China, October 27-28, 2012. The impact of construction technology and transport infrastructure development is known to be significant on the economy of any country. Therefore, the International Conference on Civil Engineering and Transportation is aspired to promote construction practices and create awareness among different industry professionals. And the main aim of this conference is to bring together academics and other professionals from all over the world, for the presentation and exchange of their thoughts and experiences on concepts, trends and practices in civil engineering and advanced transportation fields. The conference is intended to offer a stimulating environment to encourage discussion and exchange of ideas leading to the advanced construction technology and transportation.

All the papers in the conference proceedings have been undergone the intensive review process performed by the international technical committee, and only accepted papers are included. This volume comprised the selected papers from the subject areas of geological, geotechnical and building engineering; structural engineering; reliability, durability and rehabilitation of structures; tunnel, subway and underground facilities; bridge and road engineering; coastal engineering and ocean engineering; seismic engineering; surveying and detection engineering, cartography, measurement and geographic information system; hydraulic and fluid engineering; heating, gas supply, ventilation and air conditioning works; natural and technogenic disasters prevention and mitigation; computer-aided design and applications in industry and civil engineering; engineering management and engineering education.

We would like to acknowledge and give special appreciation to our keynote speakers for their valuable contribution, our delegates for being with us and sharing their experiences, and our invitees for participating in ICCET 2012. We would also like to extend my appreciation to the steering Committee and the International Scientific Committee for the devotion of their precious time, advice and hard work to prepare for this Conference.

***The editors***

The 2nd International Conference on  
Civil Engineering and Transportation  
(ICCET 2012)

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