

# Preface

The 3rd International Conference on Civil Engineering and Transportation took place in Kunming, China, December 14-15, 2013. 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 Geotechnical Engineering, Geological Engineering, Structural Engineering, Monitoring and Control of Structures, Structural Rehabilitation, Retrofitting and Strengthening, Reliability and Durability of Structures, Bridge Engineering, Seismic Engineering, Tunnel, Subway and Underground Facilities, Hydraulic Engineering, Coastal Engineering, Surveying Engineering, Construction Technology, Heating, Water and Gas Supply, Ventilation and Air Conditioning Works, Prevention Catastrophes and Disasters Mitigation, Computational and Applied Mechanics, Computer Applications and Information Technologies in Construction, Engineering Management in Construction.

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 2013. 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 editor***

The 3rd International Conference on  
Civil Engineering and Transportation  
(ICCET 2013)

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