Preface

The 10th International Symposium on High Performance Concrete – Innovation & Utilization has been held in Beijing, China, from 16 to 18 September 2014.

The symposium is a continuation of the successful previous symposia held every three years since 1987. The symposium brings together engineers, designers, researchers and scientists from around the world, to promote better understandings on common interests ranging from the latest research findings to the most challenging applications of high performance concrete for construction.

In the past two decades, a number of large-scale infrastructures or structures of novel advantages have been constructed in various countries or areas, using high-performance concrete as a main structural material. For example, in China, high-performance concrete has been applied to construction of the Qinghai-Tibet railway on highland, the Hangzhou Bay Bridge of 36 km length, the Three-Gorge Dam across the Yangtze River, and the Beijing-Shanghai high-speed railway, respectively. To ensure satisfactory performance and service life of these structures, a great amount of research and applications of high-performance concrete technology has been carried out. No doubt, this symposium was a great event to share new advances in science and technology of high-performance concrete with international colleagues all over the world.

More than 200 attendees from Australia, Austria, Afghanistan, Belgium, Canada, Czech, France, Japan, India, Italy, the Netherlands, Iran, Norway, United States, Germany, Singapore, United Kingdom, Spain, Libya, Hungary, Kenya, Portugal, South Korea, Taiwan, Hongkong, and the mainland of China, attended this conference. Totally 89 papers were included in the proceedings, which were accepted for publication subject to peer review process, covering a wide range of topics and scopes, such as high-performance & ultra-high performance concrete, durability, field performance of concrete, fire resistance, concrete sustainability, special raw materials & concretes, self-compacting concrete, structural performance & modeling, mix proportion design, and testing methods. The book is also an issue of the international journal, Key Engineering Materials.

Gai-Fei Peng
Jun Zhang
Ting-Yu Hao
Fa-Guang Leng

August 14, 2014

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fib - Fédération internationale du béton (The international federation for structural concrete）
Beijing Jiaotong University
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