

# PROCEEDINGS OF THE 13<sup>th</sup> INTERNATIONAL SYMPOSIUM ON STRUCTURAL ENGINEERING

Volume II

Zuocai Wang, Weixin Ren, Jiping Ru



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# **PROCEEDINGS OF THE THIRTEENTH INTERNATIONAL SYMPOSIUM ON STRUCTURAL ENGINEERING**

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Edited By

**Zuocai Wang, Weixin Ren and Jiping Ru**

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## Preface

As the technologies advance by the day, structural engineering makes great progress and plays a more and more important role in social development due to safety, economic and environmental incentives. To provide an international academic communication platform for experts and scholars from the research and practicing engineering communities, and for those who concern with and give supports to the development of structural engineering, the previous twelve International Symposiums on Structural Engineering were successfully held in Leshan, Harbin, Shanghai, Beijing, Shenyang, Kunming, Tianjin, Xi'an, Fuzhou, Changsha, Guangzhou and Wuhan between 1990 and 2012. Due to developments over the two decades, this series of structural engineering symposiums possess distinct characteristics and features, which continue to attract many elite academics from among Chinese people.

The 13th International Symposium on Structural Engineering (ISSE-13) is held in Hefei, P.R.China, October 24-27, 2014. It is organized by Hefei University of Technology and sponsored by National Natural Science Foundation of China (NSFC). The goal of the forum is to present and publish the most recent researches and developments in structural analysis, design, construction, maintenance and disaster mitigation, and also discuss the implementation and development of new tools and technologies for structural health monitoring as well as structural identification. The proceedings of ISSE-13 contain more than 200 papers. The contributions of all the authors to the proceedings are really appreciated.

We would like to express our sincerely thanks to all the members of the International Scientific Committee as well as the Local Organizing Committee, whose dedication is considered to be the key for the success of this symposium. Moreover, the supports from all the organizations listed in the proceedings and the special contributions from all the keynote speakers and the invited guests are also gratefully appreciated. We really hope that all the participants will have a good time and enjoy their stay in Hefei.

**Weixin REN, Hefei University of Technology, P.R.China**

**Zuocai WANG, Hefei University of Technology, P.R.China**

**Jiping Ru, National Natural Science Foundation of China, P.R.China**

**October 24, 2014**

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