PREFACE

This volume contains some selected papers from the 2012 International Conference on Vibration, Structural Engineering and Measurement (ICVSEM2012) which is to be held in Shanghai, China, during October 19-21, 2012, and is co-organized by Guangzhou University, Cleveland State University, Xi'an Jiaotong University, Tongji University, The Hong Kong Polytechnic University, Shanghai Jiaotong University, Ritsumeikan University and University of Victoria. The conference aims to provide a high-level international forum for scientists, engineers, and students to present their new advances and research results in the field of Vibration, Structural Engineering and Measurement.

This volume covered all aspects of vibration, structural engineering and measurement, particularly of vibration engineering, structural engineering, building materials, and measurement. All of the papers have been reviewed by more than two expert referees in their relevant topic disciplines. The papers selected for this volume depended on their quality and their relevancy to the conference.

The editors hope that this volume will provide the reader a broad overview of the latest advances in the field of vibration, structural engineering and measurement, and that it will be a valuable reference source for further research.

The editors would like to express their sincere appreciations and thanks to all the members of the ICVSEM2012 Conference Organizing Committee and the Technical Program Committee for their tremendous efforts. They are indebted to the referees for their constructive comments on the papers. Without their dedication, it was impossible to have a successful ICVSEM2012 and a high quality volume of the conference proceedings. Thanks are also given to Trans Tech Publications for producing this volume. Finally, the editors would like to thank all the authors for their contributions to this valuable volume.

Chunliang Zhang

Guangzhou University, Guangzhou, 510006, China

Paul P. Lin

Cleveland State University, Cleveland, OH 44115-2214, USA

July 12, 2012

The 2012 International Conference on Vibration, Structural Engineering and Measurement (ICVSEM2012)

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