

# Preface

In China, the amount of deteriorating bridges is increasing gradually, and the costs of maintenance, repair and rehabilitation of these bridges far exceed available budgets. Internationally, above issue also is paid more attention. To alleviate this issue, the bridge engineering profession continues to take positive steps towards developing more comprehensive bridge monitoring and management systems. Therefore, it is significant to combine some good works that have been done in this field, which is the original objective of this special volume to introduce the recent research results in the fields of bridge health monitoring, bridge maintenance and safety in the mainland of China. This project encompasses some aspects of bridge health monitoring, maintenance and safety. Specifically, it deals with: bridge health monitoring; bridge repair and rehabilitation issues; bridge related safety and other implications.