

# IABSE-JSCE Joint Conference on Advances in Bridge Engineering-III

Towards Owning a Resilient Infrastructure

21 - 22 August 2015  
Dhaka, Bangladesh

## Organized by



International Association for  
Bridge and Structural Engineering  
Japan Society of Civil Engineers

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Bangladesh University of Engineering and Technology  
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## DEADLINES

Submission of Abstracts : November 15, 2014  
Acceptance of Abstracts : November 30, 2014  
Submission of Full Papers : February 28, 2015  
Acceptance of Full Papers : March 31, 2015  
Mailing Final Invitations : April 30, 2015

Centennial Celebration  
of  
Hardinge Bridge  
1915-2015

Development of an efficient transportation infrastructure is one of the major challenges which Bangladesh faces. The geological formation of the country, a low lying delta formed by recent deposits on the flood plains of the Ganges-Brahmaputra-Meghna river system, with hundreds of tributaries, distributaries and water bodies, pose a big challenge to the Civil Engineers in construction and maintenance of an uninterrupted country wide road-rail network. Furthermore, flyovers, viaducts and overpasses are also being constructed in major cities. The geopolitical boundaries also place Bangladesh in a strategic location in between South Asia and South East Asia, thereby providing a major hub for the Asian Land Transport Infrastructure. It is in this context that this conference, the third one in the series, has been scheduled. This time it coincides with the Centennial Celebration of the Hardinge Bridge (1915-2015), one of the landmark railway bridges in the whole region. Special attention is, therefore, being given to strengthening, repair, renovation and maintenance of bridges and building a resilient transport infrastructure in the Asian region. We invite experts in the field from round the world to contribute papers in the Conference and participate in the discussions.

## VENUE

Pan Pacific Sonargaon Hotel  
Dhaka, Bangladesh

## SCOPE

- History and Planning
- Materials and Construction
- Design for Dynamic Forces
- Geo-environmental Issues
- Administration and Monitoring
- Repair, Renovation and Retrofitting

## Conference Secretariat

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# Jsce Expo 2015

**Tetsuji Ito, Makoto Tamura, Akihiko  
Kotera, Yuki Ishikawa-Ishiwata**

## **Jsce Expo 2015:**

### **Life-Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure** Jaap Bakker, Dan M.

Frangopol, Klaas Breugel, 2016-11-18 This volume contains the papers presented at IALCCE2016 the fifth International Symposium on Life Cycle Civil Engineering IALCCE2016 to be held in Delft The Netherlands October 16 19 2016 It consists of a book of extended abstracts and a DVD with full papers including the Fazlur R Khan lecture keynote lectures and technical papers from all over the world All major aspects of life cycle engineering are addressed with special focus on structural damage processes life cycle design inspection monitoring assessment maintenance and rehabilitation life cycle cost of structures and infrastructures life cycle performance of special structures and life cycle oriented computational tools The aim of the editors is to provide a valuable source for anyone interested in life cycle of civil infrastructure systems including students researchers and practitioners from all areas of engineering and industry Proceedings of Italian

Concrete Days 2018 Marco di Prisco, Marco Menegotto, 2019-09-04 This book gathers the best peer reviewed papers presented at the Italian Concrete Days national conference held in Lecco Italy on June 14 15 2018 The conference topics encompass the aspects of design execution rehabilitation and control of concrete structures with particular reference to theory and modeling applications and realizations materials and investigations technology and construction techniques The contributions amply demonstrate that today's structural concrete applications concern not only new constructions but more and more rehabilitation conservation strengthening and seismic upgrading of existing premises and that requirements cover new aspects within the frame of sustainability including environmental friendliness durability adaptability and reuse of works and or materials As such the book represents an invaluable up to the minute tool providing an essential overview of structural concrete as well as all new materials with cementitious matrices **Advances in Engineered Cementitious**

**Composite** Y. X. Zhang, Kequan Yu, 2022-02-26 **Advances in Engineered Cementitious Composite Materials Structures and Numerical Modelling** focuses on recent research developments in high performance fiber reinforced cementitious composites covering three key aspects i.e. materials structures and numerical modeling Sections discuss the development of materials to achieve high performance by using different type of fibers including polyvinyl alcohol PVA polyethylene PE polypropylene PP and hybrid fibers Other chapters look at experimental studies on the application of high performance fiber reinforced cementitious composites on structures and the performance of structural components including beams slabs and columns and recent development of numerical methods and modeling techniques for modeling material properties and structural behavior This book will be an essential reference resource for materials scientists civil and structural engineers and all those working in the field of high performance fiber reinforced cementitious composites and structures Features up to date research on HPFRCC from materials development to structural application Includes recent experimental studies and advanced numerical modeling analysis Covers methods for modeling material properties and structural performance Explains

how different types of fibers can affect structural performance      *Interlocal Adaptations to Climate Change in East and Southeast Asia* Tetsuji Ito, Makoto Tamura, Akihiko Kotera, Yuki Ishikawa-Ishiwata, 2022-01-19 This Open Access book's main focus is agriculture and natural resource management disaster risk reduction and human resource development in the countries of East and Southeast Asia and Japan Asia is one of the regions which is the most vulnerable to the impacts of climate change More than sixty percent of the world's people live in the region making it the growth center of the world Asia is vast and includes various countries and regions this book is focused on East and Southeast Asia including Japan It is essential to share the knowledge and experiences for adapting climate change among these areas In order to tackle these issues the book aims to Promote inter local lessons learnt sharing climate change adaptations agriculture and natural resource management and disaster risk reduction and human resource development Provides insights into new adaptation measures and research approaches that can consider the regional nature of Southeast Asia Share practical adaptation options permeated by society in each country region This book will be of interest to researchers and students examining climate change impacts in East and Southeast Asia

## Unveiling the Magic of Words: A Overview of "**Jsce Expo 2015**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Jsce Expo 2015**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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