SESSION I

Moderators: Kuo-Chun Chang and Phillip Yen

Opening Remarks
Phillip Yen and Kuo-Chun Chang

Welcome Address
Myint Lwin, Jin-Yuan Chen and Kevin Thompson

01: US Highway Bridge Program
Myint Lwin
Paper | Presentation

02: The Application of Self-Compacting Concrete on Expressway Bridges in Taiwan
Jaw-Chang Laiw
Paper | Presentation

03: Bridge Management in California
Barton Newton
Paper | Presentation

04: Discussion and Application of Substructure Replacement Technique for Bridges– A Case Study of Shi-chou Bridge
Pang-Chi Kao

05: Self-centering Bridge Components
Hyungil Jeong, Stephen Mahin and Junichi Sakai
Paper | Presentation

06: Discussion on Deformation of Long-Span Prestressed Concrete Bridges in Taiwan
Yu-Sheng Chen, Ying-Wen Chan, Yung-Chang Chang and Wei F. Lee
Paper | Presentation

SESSION II

Moderators: Jaw-Chang Liaw and Benjamin Tang

07: The New Jersey Department of Transportation’s Evaluation of Scour Countermeasure Devices
Harry A Capers, Hani Nassif, Joseph Davis and Oguz Ertekin
Paper | Presentation

08: Analysis of Damage Types and Deterioration Causes of Bridges in Taipei Metropolitan Vicinity
Chia-Fang Chang, Chu-Chieh Jay Lin, Chi-Yu Chou and Chen-You Jian
Paper | Presentation

09: Near Fault Earthquake Design Consideration for Reinforced Concrete Bridge Columns
Vu Phan, Mehdi Saiidi, John Anderson and Hamid Ghasemi
Paper | Presentation

10: Smart Sensors Development for Real-time Bridge Scour Monitoring
Kuo-Chun Chang and Yung Bin Lin
Paper | Presentation

George C. Lee
Abstract | Presentation
SESSION III
Moderators Pang-Chi Kao and Kevin Thompson

12: Taiwan National Freeway Bridge Seismic Retrofit Program
James C. Tai

Paper | Presentation

13: Ferguson Rock Slide Bypass
Hanna Kassis, Robert Cunningham

Paper | Presentation

14: Long Lasting Overlays Prevent Corrosion Deterioration of Bridge Decks
Michael M. Sprinkel

Paper | Presentation

15: Implementation of Fiber Bragg grating Sensor on Bridge Scouring Problem
Kuo-Chun Chang, Ying-Bin Lin and Shin-Jy Chen

Paper | Presentation

SESSION IV
Moderators: Wei Lee and Kevin Thompson

16: Riverbed Lifting Effects on Bridge Structures Caused by Heavy Rainfall
Chun-Ming Wen, Wei-Feng Lee and Huei-Jing Liao

Paper | Presentation

17: Investigation for Post-Earthquake Repair and Inspection Techniques
W.C. Su

Paper | Presentation

18: Rehabilitation of Scour-Protection Works of a Major Highway Bridge in Taiwan
Chao-Chi Tseng, Yen-Bin Wang and Lin Wu

Paper | Presentation

19: The Introduction of the Sliding Method to Rebuild a Bridge
Hsin-Ta Liu and Ching-Lihn Shieh

Paper | Presentation

SESSION V
Moderators: Jaw-Chang Liaw and Myint Lwin

20: Toll Bridges in Bay Area
Brian Maroney

Paper | Presentation

21: Accelerated Bridge Construction in Seismic Regions
Amjad Aref

Paper | Presentation

22: Automation Techniques for Bridge Construction-Precase segment Method
Wen-Chih Fang and Kuo-Long Chen

Paper | Presentation

23: Effective Decision Making Framework
Benjamin Tang

Paper | Presentation

24: Closing Remarks
Wei Lee, Phillip Yen

Presentation