

PRELIMINARY CONFERENCE PROGRAM

DESIGN, CONSTRUCTION & OPERATION

Stonecutters Bridge - designing for operations

M. Carter and N. Hussain, Ove Arup & Partners, Hong Kong

Second bridge over the Orinoco - design, construction and operation

K. J. Humpf, Leonhardt, Andrä und Partner GmbH, Germany

A construction solution for self anchored suspension bridges

R. A. Lawrie and H. Huang, Lawrie & Associates, LLC, USA

INSPECTION & MAINTENANCE

Forth Road Bridge - maintenance challenges

A. S. Andrew, and B. R. Colford, Forth Estuary Transport Authority, Scotland

Inspection and monitoring of cable stayed structures - design, implementation & performance

G. Hovhannessian, ADVITAM, France and J. Stieb, ADVITAM, USA

Repainting of Seto-Ohashi Bridge for increase of durability

K. Kawaguchi, Y. Nagao, and T. Sugimoto, Honshu-Shikoku Bridge Expressway Co., Ltd, Japan

INSTRUMENTATION, TESTING & MONITORING

Instrumentation and monitoring of critical structural elements unique to suspension bridges

G. Hovhannessian and E. Laurent, ADVITAM, France

Non-destructive testing of suspender ropes with magnetostriction

M. S. Higgins, Pure Technologies, USA

Wire test results for three suspension bridge cables

R. M. Mayrbaur, Weidlinger Associates, Inc., USA

CABLE STUDIES & PLANNING

Planning and engineering for the future: capacity increase and cable replacement at the Bronx-Whitestone Bridge

J. Lorentzon, TBTA, P. Nietzsche, Parsons Brinckerhoff Quade & Douglas, Inc., G. Fanjiang, Weidlinger Associates, and C. Gagnon, Ammann & Whitney, USA

Bear Mountain Bridge cable reinforcement

W. A. Moreau, New York State Bridge Authority Highland, R. Dragan, and P. Sluszka, Ammann & Whitney, USA

Planning and design of Jeokgeum Grand Bridge

S. Y. Park, M. J. Lee, Yooshin Engineering Corp., and J.H. Kim, DAELIM Industrial Co. Ltd., South Korea

REHABILITATION & PREVENTIVE TECHNIQUES

Rehabilitation of the lower roadway of the Manhattan Bridge

H. D. Perahia, J. Patel, H. Ahmed, and A. Razzaq, New York City Department of Transportation, USA

Forth Road Bridge - first internal inspection, strength evaluation, acoustic monitoring and dehumidification of the main cables

B. R. Colford, Forth Estuary Transport Authority, Scotland, C. P. Cocksedge, Faber Maunsell Consulting Engineers, England

Prevention of main cable corrosion by dehumidification

M. L. Bloomstine and O. Sørensen, COWI A/S, Denmark

Bospurus Bridge cable hanger plate replacement

C. Yilmaz, A. Turer and A. Caner, Middle East Technical University, Civil Engineering Dept., Turkey

Dehumidification of George Washington Bridge anchorage chambers

R. Sansone, Ammann & Whitney, Consulting Engineers, PC, J. R. Jenal, BJLJ Engineers & Architects, PC, A. Minhas and S. Sloan, The Port Authority of NY & NJ, USA

WIRE ROPE & STRAND APPLICATIONS

Electromagnetic inspection of wire ropes - vertical lift bridges

D. R. Hall, Acuren Inspection, Inc., USA

Wire rope and strand assemblies in bridge applications

T. W. Klein, Wire Rope Corporation of America, Inc., USA

Epoxy coated & filled prestressing steel strand cables

Y. Shinichi, Sumiden Wire Products Corporation, USA

FATIGUE & VIBRATIONS PERFORMANCE

Cable vibrations at Dubrovnik Bridge

Z. Savor, J. Radic, and G. Hrelja, University of Zagreb, Croatia

Mitigation and monitoring of cable vibrations for cable stayed bridges

D. M. Barrett, Modjeski and Masters, Inc., USA

Monte Carlo simulation of cable fatigue stresses in two cable-stayed bridges

H. Tabatabai and C. W. Lee, University of Wisconsin-Milwaukee, USA

SERVICE LIFE & FRACTURE BEHAVIOR

Wire fractures in locked coil cables

K. Gjerding-Smith, Consulting Engineers Haug og Blom-Bakke AS, R. Johnsen, NTNU, H. I. Lange, SINTEF, B. H. Leinum, Det Norske Veritas, G. Gundersen, B. Isaksen and G. Nærum, Norway

Fracture analysis of the Mid-Hudson Bridge cable wire

K. Mahmoud, Bridge Technology Consulting, PLLC, and W. J. Moreau, New York State Bridge Authority, USA

A conceptual model of bridge service life

J. Chang, MTA Bridges and Tunnels and M. J. Garvin, Virginia Polytechnic and State University, USA

A monumental bridge with a problem left by design

A. B. Mehrabi, Bridge Engineering Solutions, Inc., USA

AESTHETIC & HISTORIC BRIDGES

Aesthetics in cable-supported bridges

J. J. Arenas, Arenas & Asociados, Spain

The Quinnipiac / Pearl Harbor Memorial Bridge: aesthetic opportunities for extradosed bridges

T. Piotrowski and J. Fox, H2L2 Architects/Planners, LLP, USA

Roebbling's railway suspension bridge over Niagara Gorge

K. Gandhi, Gandhi Engineering, Inc., USA

INNOVATIVE BRIDGE TECHNOLOGY

A new technology for long-span suspension bridges

B. Lecinq, Freyssinet, USA

Totally encapsulated suspension bridge technology

B. Lacing, Freyssinet, USA

High tech cable stayed bridge with appropriate historic appearance W. Jay Rohleder, Jr., FIGG, USA

Efficient deck systems for cable stayed bridges

Sena Kumarasena, HNTB, USA

10 Years of experience with CFRP stay cables Urs Meier, EMPA

Swiss Federal Laboratories for Materials Research, Switzerland

Innovative cable supported pedestrian bridges

Ted Zoli, HNTB, USA

STRENGTH EVALUATION OF CABLES

Evaluation of the remaining strength of bridge cables

K. Mahmoud, Bridge Technology Consulting, PLLC, USA

A rational method for determining allowable stress in stay cables Ray McCabe, HNTB, USA

Cradle system provides flexibility and durability

W. Denney Pate, FIGG, USA

LRFD WORKSHOP PRELIMINARY PROGRAM - AUGUST 29, 2006

Specifications and guidelines for the design of curved steel girder bridges Dr. John M. Kulicki, Modjeski and Masters, Inc., USA

LRFD concrete bridge design example

Professor Dennis R. Mertz, University of Delaware, USA

The past, present and future of AASHTO LRFD

Dr. John M. Kulicki, Modjeski and Masters, Inc., USA

Introduction to load and resistance factor rating (LRFR)

Professor Dennis R. Mertz, University of Delaware, USA

Summary of loads and load combination

Professor Dennis R. Mertz, University of Delaware, USA

Horizontally curved steel bridge design example

Dr. Wagdy G. Wassef, Modjeski and Masters, Inc., USA

REGISTRATION FORM

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(includes conference proceedings, lunches, and refreshment breaks)

REGISTER ON OR BEFORE JUNE 23RD, 2006:

Table-Top Display \$2,750 _____

REGISTER AFTER JUNE 23RD, 2006:

Table-Top Display \$3,000 _____

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Please Note: No credit card payments will be accepted

REGISTER BEFORE JULY 28TH, 2006:

General Admission \$525

Public Agency Engineer Fee
(first 50 registrants) \$475

LRFD Workshop - One Day
(Conference participants' fee) \$100

ONLY LRFD Workshop - One Day \$295

REGISTER AFTER JULY 28TH, 2006:

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Public Agency Engineer Fee \$525

LRFD Workshop - One Day
(Conference participants' fee) \$125

ONLY LRFD Workshop - One Day \$345

BRIDGE TOUR ON AUGUST 27TH, 2006:

Cruise / Bridge Tour \$50/pp

PLEASE READ & SIGN

Please read & sign below that you understand and agree to the following statement:

I understand that a refund will be granted only if the request is received in writing by June 23rd for Table-Top Displays and by July 28th for conference and workshop attendees.

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