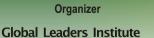
Technology Outlines a Blueprint for Future Bridges

- Perfect Combination of Aesthetics and Functionality
- Prosperous Integration of Innovation and Safety































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Zurich, June 8, 2010

To whom it might concern

With the support of key authorities, "Bridge Tech 2010" will be held from 29th November to 2nd December 2010 in the Intercontinental Shanghai Pudong Hotel, China. It is coorganized by the Jiangsu Transportation Research Institute, the PRC Ministry of Communications and the Global Leaders Institute.

The International Association for Bridge and Structural Engineering (IABSE) confirms herewith support for **BRIDGE TECH 2010** and agrees to be listed as

Official Supporter of BRIDGE TECH 2010

BRIDGE TECH 2010 shall offer the attendees a face-to-face communication chance with high-level officials, business leaders and experts from the global bridge industry. While sharing strategic ideas with each other, attendees can discuss hot issues to gain valuable insight into China's bridge industry, and will get a better understanding of the world bridge market.

Ueli Brunner

Executive Director, IABSE

Key Issues in 2010

- ★ The status quo and development trend of bridges industry
- ★ Current investment policy and new bridge projects in China
- ★ Bridge safety consideration under technological innovation
- ★ Bridge life-cycle cost design and applications
- Bridge health monitoring and maintenance
- ★ Advanced bridge construction materials and equipment
- ★ Case sharing of world class bridges

Bridge Tech 2010 offers you

Vorldwide attendees from 20+ countries and regions who specialize in various fields related to bridge industry.

pportunities that acquire latest information for your strategic decision making process that you can neither get from internet nor industry reports because it's first-hand.

etwork effectively with your potential clients in comfortable and relaxing way such as cocktail party, coffee breaks and luncheon in 5-star hotel as well as bridge tour.

istinguished speakers who are carefully researched and invited in order to guarantee this conference be notable for its high-level, international impact and archival quality.

xposures on the media that you will be reported and interviewed like a star by 30+ Industry Media worldwide if you wish to.

R enowned bridge case sharing such as Hangzhou Bay Bridge, Sutong Bridge etc.

riends who you share and express same perceptions and hungers with because "Great minds think alike".

Inparalleled platform where you can efficiently showcase your latest products, solutions and technologies in front of 150+ decision makers.

essons where you can understand the up-to-date management ideas and technologies being applied from 30+ speeches, constant interactions and panel discussions.

Experience

, just join & enjoy onestop-shop for bridge! "Bridge Tech Summit has become one of the most exciting and significant annual events for bridge industry. It provides great opportunity for industry leaders not only from China but also other regions in the world to update their knowledge and exchange industry information."



Yang Genlin
General Manager
Jiangsu
Communication
Holdings
Corporation

NETWORKING &! CONTACT

Relax, Network and Make Contact!

Bridge Tech 2010 provides attendees more than 10 hours of precious networking time through perfect surroundings, including coffee and tea breaks, luncheon, cocktail party, and whole day bridge tour.



Speed networking is the most exciting part of the conference agenda, enabling you to build more interactive and efficient networking. Prepare enough business cards and join this exciting session to be familiar with as many new contacts as you can, with which consequent partnership will flourish for mutual success.



The 4th day visit will be arranged to cross Shanghai Changjiang Tunnel Bridge and arrive at its end: Chongming Island. This will help delegates have deeper communication while enjoying the masterpiece of modern bridge, as well as the idyllic scenery.

Bridge & Chongming Island Tour

Main Speakers





Predrag Popovic
President Elect
International Association
for Bridge and Structural
Engineering (IABSE)



Delmar J. DoyleInterim Executive Director **NACE International**



C.K. LAU
Former President/Executive
Director
Highways Department, Hong
Kong/AECOM



Yang Genlin
General Manager
Jiangsu Communication
Holdings Corporation



Chen Mingxian
Secretary of Party
Committee
Hunan Provincial
Transport Department



TAM Hon Choi Chief Engineer of Hong Kong-Zhuhai-Macao Bridge Hong Kong Project Management Office Highways Department Hong Kong



Urs Meier
Deputy Director
Swiss Federal Laboratories
for Materials Testing and
Research (EMPA)



Shao Xinpeng Chief Engineer Qingdao Bay Bridge Command



Su Quanke
Chief Engineer
Advance Work Coordination
Group Project Office of
Hong Kong-Zhu Hai-Macao
Bridge



Meng FanChao
Deputy General
Manager/Chief Designer
CCCC Highway
Consultants Co., Ltd./
Hong Kong-Zhuhai-Macao
Bridge project office



Naeem Hussain Worldwide Bridge Leader Arup



Tao Hongyi
General Manager for China
Dorman Long Engineering
Technology Consultant
(Shanghai) Co.Ltd.



Huang Shaowen
Chief Engineer
Shanghai Changjiang Tunnel
& Bridge Construction



Motoi Okuda Senior Director of Long-span Bridge Engineering Center Honshu-Shikoku Bridge Expressway Co., Ltd



Xu HongGuang
Vice President/Chief Designer
Anhui Communication
Consulting & Design
Institute/
Anhui Ma'anShan Yangtze
River Bridge Project Office



Li Na
Professor/Senior Engineer
CCCC Highway Consultants
CO.,Ltd.



Pascal Savioz
General Manager
Mageba (Shanghai) Bridge
Products Co.,Ltd



Pascal Savioz
General Manager
Mageba (Shanghai) Bridge
Products Co.,Ltd



Agostino Marioni Managing Director **ALGA**



Manuel Friedel
Head of Research &
Development and Technical
Service Building Protection
Evonik Industries, Germany



Yutaka Kobayashi Head of Business Development Department Nippon Yakin Kogyo Co., Ltd

Conference Agenda

Day One

Monday, November 29, 2010

	Conference Pre-Workshop A: Bridge Anti – Corrosion	Conference Pre-Workshop B: Safety & Monitoring of Bridges
1330	Corrosion Mitigation — Design and Repair to Limit Impact of Corrosion Cost of corrosion Mhat to do in the design of bridges How to reduce corrosion during construction Inspection of older bridges Delmar J. Doyle, Interim Executive Director NACE International, USA	 Structural Health Monitoring and Safety Evaluation of Cable-Supported Bridges The importance of Structural Health Monitoring in the Bridge Supervision and Post-construction The significance and specific indicators of Monitoring Evaluation Wong Kai Yuen, Bridge Technical Advisor of Bridges and Structures Division Highways Department, Hong Kong
1430	 Anti-corrosion: Guarantee of Extending Bridge Life-span The requirement of anti-corrosion on the condition of climate, hydrology, topography and geologic framework The standard of protective coating and construction technique The anti-corrosion of epoxy reinforcing steel Shao Xinpeng, Chief Engineer Qingdao Bay Bridge Command 	The key technology research of Structural Monitoring of Suspension bridge across the sea and Inspection Management The Reaction of Environmental load and the Status and Structure of Bridge to Real Time Monitoring The Real Time Processing Analysis of Data is good to know the structural usage status of Bridge The Successful Application of Xihoumen Bridge Construction and Operation Management Li Na, Senior Engineer CCCC Highway Consultants CO., Ltd.
1530	530 Coffee Break	
1545	The new type of protective coating with outstanding durability and ornamentality (sponsor opportunity)	The application of optical sensors in bridge monitoring (sponsor opportunity)
1645		
	Panel discussion: The integrated application of anti-corrosion technology and material in bridge construction The anti-corrosion of stainless steel bar The construction control technology of protective coating on Steel box girder The anti-corrosion and coating technician of long span bridge concrete structure(high performance, simplicity, economy, energy efficiency and environmental protection Moderator: Delmar J. Doyle, Interim Executive Director NACE International, USA Panelists: Ken Dykes, Chairman The Corrosion Prevention Association (CPA), UK Shao Xinpeng, Chief Engineer Qingdao Bay Bridge Command Xie Daqi, General Manager Shanghai Donghai Bridge Management Co. Ltd. Huang Jinqiu, President	(sponsor opportunity) Panel Discussion: The Latest Technology, Research and Future Prospect of Structural Health Monitoring of Large Bridges The Structural Health and Safety Monitoring System and Design Proposal of ZhuJiang HuangPu Bridge Health Monitoring and Non-destructive Inspection Technique Upgrading Project of JiangYin Bridge's Structural Health Monitoring System Moderator: Wong Kai Yuen, Technical Advisor of Bridges and Structures Division Highways Department, Hong Kong Panelists: Wang Zhongyu, Director Bridge Engineering Research Center, Taiwan Motoi Okuda, Director of Engineering Center of Long-span Bridge Honshu-Shikoku Bridge Expressways Co., LTD, Japan Zhang Shaojin, General Manager Guangzhou Zhujiang Huangpu Bridge Construction Co., Ltd. Zhong Jianchi, Chief Commander

the hottest issues of Bridge Tech 2010 this year. It provides unique opportunities to spend valuable time with industry

experts, deeply discussing the detailed problems, solutions, innovations etc.

Conference Agenda

Day Two

Tuesday, November30, 2010

Morning Session: The Current Landscape and Future Development Trend of World Bridge Industry

Afternoon Session: Engineering Technology Exploration for HongKong-Zhuhai-Marco Bridge

0845 Opening Address

Xiang Haifan, Director General
Bridge and Structural Engineering Branch, China Civil
Engineering Society

Fu Guanhua, CEO
Jiangsu Transportation Research Institute

0900 The Current of Bridge Construction Development and Current Investment Policies within China's Bridge Industry

- The importance of bridge construction to the infrastructure and economic benefits
- Projects snapshot into 245 planning and undertaking bridge projects

Feng Maorun, Deputy Director of the Highway Division of the Committee of Experts

Ministry of Transport of the People's Republic of China

0930 Preventing Structural Failures in Bridge Construction

- Failure
- Bridge construction
- Bridge safety

Predrag L. Popovic, President Elect

International Association for Bridge and Structural Engineering

1000 "Technology" Breaks the Record in Bridge Industry

- Independent technology innovation of bridge engineering in China
- Technical challenges and developments in Jiangsu bridge projects: Nanjing Yangtze River Bridge; Sutong Bridge; Da Shengguan Nanjing Yangtze River Bridge etc.

Yang Genlin, General Manager

Jiangsu Communication Holding Corporation

1030 Coffee Break



1100 Schematic Studies on the 2nd Bridge of Dongting Lake in Yueyang

- Project overview and evaluation of construction conditions
- Technical breakthrough in the research areas of seismic performance, wind resistance, driving comfort etc.

Chen Mingxian, General Secretary

Hunan Provincial Transport Department

1130 Technology Solutions of the integration of Bridge Design, Construction and Maintenance (sponsorship opportunity)

1200 Luncheon

1345 Overall Plan of Hong Kong - Zhuhai - Macao Bridge: Largescale Cross-Sea Project with High Quality

- Planning and control during the bridge design, construction, maintenance, resource management and equipments etc
- Bridge construction cooperation between three regions & the integration of island works, road bridge and tunnel Engineering

Su Quanke, Chief Engineer

Hong Kong -Zhuhai - Macao Bridge Advance Work Coordination Group Project Office

1415 The Engineering and Environmental Challenges of the Hong Kong Link Road

- The Strategic importance and economical benefits of the Hong Kong Zhuhai Macao Bridge
- Alignment Selection of the Hong Kong Link Road
- Engineering Challenges
- Environmental Challenges

Tam Hon-choi, Chief Engineer of Hong Kong-Zhuhai-Macao Bridge Hong Kong Project Management Office

Highways Department, Hong Kong

1445 The research and design for main works HongKong-Zhuahai-Macao Bridge

Meng FanChao, Deputy general manager/Chief Designer CCCC Highway Consultants Co., Ltd., /Hong Kong-Zhuhai-Macao Bridge

1515 The Combined Solution for the Durability of Hong Kong-Zhuhai-Marco Bridge (sponsorship opportunity)

1530 Coffee Break



1545 The recent development of bridge technology in Hong Kona

C.K. LAU, Former President/Executive Director Highways Department, Hong Kong/AECOM

1615 Design Concepts and Technical Support of Famous Bridges in Denmark

- ❖ The Great Belt
- Oresund Bridge
- Femer Bridge Planning project between Denmark and German

Anton Peterson, Director of Bridge and Marine Transport Infrastructure

COWI, Denmark

Conference Ag

Day Two-Three Tuesday, November 30 Wednesday, December 1,2010

1645 Integrated Programs of Large-scale Bridge **Construction Supervision and Post-monitoring System** (sponsorship opportunity)

1715 Panel Discussion: Technical Difficulties of New Bridges being Construction

Moderator:

Li Wanheng, Director of Bridge Division, Research Institute of **Highway**

China's Ministry of Transportation

Panelists:

Anton Peterson, Director of Bridge and Marine Transport Infrastructure

COWI, Denmark

Zhong Hai, Deputy Executive Director

Zhejiang Jiaxing - Shaoxing Cross-sea Bridge Construction

Wang Mingluan, General Manager

Fujian Xiamen - Zhangzhou Bridge Construction Co., Ltd.

1745 **Workshop C**:

Basics about Carbon Fiber Reinforced Polymers (CFRP) for Bridge

Engineers

- Why CFRP
- Production and properties of cable fibers
- Pultrusion of CFRP: the most important process for bridge engineering
- Reliability if CFRP
- CFRP parallel wire bundles for high load-carrying capabilities
- Pin-loaded CFRP tendons for small to medium load-carrying capacities
- UV resistance
- Fire resistance
- How to avoid problems with lightning strikes
- High equivalent modules of CFRP stays
- Summary: Advanced versus disadvantages of CFRP in bridge engineer

Urs Meier, Deputy Director

Swiss Federal Laboratories for Materials Testing and Research (EMPA)

1815 End of DAY TWO

Day Three December 1, 2010

Morning Session: The Application of Advanced Materials and Equipment in Bridge Engineering

0900 The World's Top Engineering Created by Independently **Developed Equipments in China**

- The whole spiral steel pipe pile
- Specific pile driving boat: the largest and most advanced piling boat in Asia
- Equipment transit above 50 meter box girder

Zhu Yaohong, Deputy Chief Engineer

Hangzhou Bay Bridge Construction Command

0930 Carbon Fiber Reinforced Polymers (CFRP) Cables: An **Enabling Technology for Very Long-Span Bridges**

- The long-term experience with CFRP in bridge rehabilitation and new construction
- The opportunities for CFRP in bridge construction in present
- The challenges for very-long span bridges in the future

Urs Meier, Deputy Director

Swiss Federal Laboratories for Materials Testing and Research (EMPA)

1000 Research and Application of Special Equipment for Steel Box Girders Lifting

- Lifting equipment for supporting span and lumpy girder
- Standard beam section lifting

Yao Pei, General Manager

Sutong Bridge Construction Co., Ltd.

1030 Coffee Break



1045 The technical tops of Shanghai Changjiang Tunnel **Bridge**

- The longest tunnel and bridge combination construction in the world at present: Bridge, tunnel and railway
- The design of the biggest separated full-floating long span cable-staged bridge carrying both highway and light rail
- Long-span continuous combination box girder bridge and prefabricated pier extending construction
- Large-scale subgrade used of sands under river for the very first time

Huang Shaowen, Chief Engineer

Shanghai Changjiang Tunnel and Bridge Construction and **Development Co., Ltd.)**

1115 Equipment Innovation and its Application in Bridge **Engineering (sponsorship opportunity)**

- Expansion joint device type and the installation
- Technology innovation of bridge girder erection machine

Conference Agenda

Day Three-Four Wednesday, December 1
Thursday, December 2,2010

1145 Panel Discussion: Applications of Anti-corrosion and Waterproof Materials in Bridge Construction

- Seamless spray applied in bridge deck waterproofing
- Stainless steel rebar to solve the corrosion problem

Moderator:

Jean-Marc Tanis, Chairman, Association of French Civil Engineering (l'AFGC)

Panelists:

Kim Kyong Jim, Director

Korea Institute of Construction Technology

Cai Yisheng, General Manager

Guangdong Nan'ao Bay Bridge Constrution Company

Xie Daqi, General Manager

Shanghai Donghai Bridge Management Co., Ltd.

1200 Luncheon

Afternoon Session: The Technology Innovation for both Bridge Safety and Aesthetics

1400 The Bridge Design Research Based on the Life-cycle Cost Assessment

- The Content of Bridge Life-cycle Assessment (Design, Performance, Ecology, etc.) and the Tools (Cost Analysis, Risk Assessment, etc.)
- The Systematic Decomposition Method and Criteria for the Entire Life of Bridge Construction
- The Information Integration of Life-cycle for the Whole Bridge Construction Project

Gao ZongYu, Chief Engineer

China Railway Major Bridge Reconnaissance & Design Institute CO.,Ltd.

1430 Forth Replacement Crossing Scotland

Naeem Hussain, Worldwide Bridge Leader

Arup

1500 Incremental Launching Method Applied in Combined Bridges Construction

- Design difficulties and innovative ideas of composite bridge structures
- Incremental launching method principles and key construction techniques
- Case study: Hangzhou Jiubao arch bridge -- China's first large-scale cross-river composite bridge using incremental launching method

Cheng Xiaodong, Deputy Chief Director

Zhejiang Hangzhou Jiubao Bridge Construction Command

1530 Coffee Break



1545 The structure system study of left main branch for Ma'AnShan Yangtze River Bridge

Xu HongGuang, Vice President/Chief Designer

Anhui Communication Consulting & Design Institute/Anhui Ma'anshan Yangtze River Bridge Project Office

1615 Pre-stressing System for Bridge Engineering (sponsorship opportunity)

1645 Bridge Condition Diagnosis and Reinforcement Assessment

- Diagnostic Techniques for bridge fatigue damage and prediction of remaining life
- Advanced sensors and its optimization layout for bridge structural inspection

Motoi Okuda, Senior Director of Long-span Bridge Engineering Center

Honshu - Shikoku Bridge Expressways Co., Ltd. (HSBE), Japan

1715 Water resistance technology in bridge construction and its corresponding solution

- Multifunctional and high-performance, waterproof and environment-friendly coating
- Structural defect of concret bridge deck and waterproofing system
- Seamless spray applied in bridge deck waterproofing
- Case study: The "rainwear" of Caiyuanba Bridge

Zhao Jianfa, Deputy General Manager

The Sixth Engineeing Bureau, China Railway Engineering Corporation (CREC)

1745 End of summit

