



**PIARC International Workshop on Inspection,
management and rehabilitation of Road Bridges**
-25th Anniversary of the Akashi Kaikyo Bridge-

Technical Committee 4.2 Bridges (TC 4.2) of the World Road Association (PIARC) holds the Workshop in Kobe in May 2023. During the Workshop, TC 4.2 introduce its activities for this cycle and information and experiences associated with inspection, management and rehabilitation of road bridges in different countries are presented and discussed. In conjunction with the 25th anniversary of the Akashi Kaikyo Bridge, the maintenance and management of cable supported bridges in Japan and other countries are also presented and discussed. This is a valuable opportunity to exchange practical information and experience with experts in inspection, management, and rehabilitation of road bridges from around the world. We look forward to your participation.

Main Topics

- Inspection and management of road bridges in various countries
- Rehabilitation techniques for road bridges in various countries
- Maintenance and management of cable supported bridges in Japan and abroad

Date and Time	9:30AM, May 11, Thursday, 2023
Venue	Lasse hall: https://www.lassehall.com/access/ Address: Yamate-dori, 4-10-8, Chuo-ku, Kobe Access: 400m from Kobe Subway “Kencho-mae” Station
Participation	Only onsite workshop (Virtual participation is not available.)
Registration & fee	Free (Pre-registration is required. See below.)
Language	Simultaneous translation between English and Japanese is provided.
Organizer	World Road Association (PIARC) TC 4.2 Bridges Honshu-Shikoku Bridge Expressway Company Limited Japan Road Association (PIARC JAPAN)
Sponsor	West Nippon Expressway Company Limited Hanshin Expressway Company Limited Japan Bridge Engineering Center Japan Bridge Association Honshi-Expressway Bridge Engineering Company Limited

Application (Deadline: Thursday, April 20, 2023)

If you wish to participate, please provide the following information,

(1) Name, (2) Contact telephone number, (3) E-mail address, (4) Affiliation

To the workshop secretariat by e-mail.

(Applications will be closed when we reach capacity, please register as soon as possible.)

E-mail address: kobe2023ws@Jb-honshi.co.jp FAX: 078-291-1362

[Contact] Honshu-Shikoku Expressway Co. Ltd., Workshop Secretariat: Kiyohiro Imai, Kosuke Inoue, Ibuki Ayashiro
Tel: 078-291-10691 (weekdays 9:30-17:00)

Program

Time	Contents
09:00-09:30	Registration
09:30-09:50	Opening
09:50-11:05 (10min/each) (20min. Q&A)	<p>PIARC TC4.2 Bridges Outcomes</p> <ul style="list-style-type: none"> • Introduction: Kiyohiro Imai, Honshu Shikoku Bridge Expressway company Limited, Japan (5min.) • Measures for increasing adaptability to Climate Change: Heungbae Gil, Korea Expressway Corporation, South Korea • Forensic engineering for structural failures: Joey Hartmann, Federal Highway Administration, USA • Advancement of inspection techniques / technologies and bridge management systems: Gonzalo Arias Hofman, INES Engineering, Spain • New rehabilitation materials and technologies: Pierre Gilles, SPW Mobility and Infrastructure, Belgium • Damage-Resilient Bridges in seismic areas: Dimitrios Papastergiou, Federal Roads Office (FEDRO), Switzerland • Q&A and discussion
11:05-11:20	Break
11:20-12:40 (15min/each) (20min. Q&A)	<p>Special inspection and rehabilitation</p> <ul style="list-style-type: none"> • Inspection techniques for post-tensioning tendons and stay cables of road bridges - Swiss experience and developments: Dimitrios Papastergiou, Federal Roads Office (FEDRO), Switzerland • Review of the inspection techniques for the internal and external prestressing system in PC bridges in Spain: Gonzalo Arias Hofman, Spain • Diagnostics and Rehabilitations of Prestressed Cables on French Concrete Bridge: Nicolas Bardou, Vinci, France • Large-scale renewal work on Hanshin Expressway, Katsuya Fujiwara, Hanshin Expressway Company Limited, Japan • Q&A and discussion
12:40-14:00	Lunch
14:00-15:35 (15min/each) (20min. Q&A)	<p>Bridge inspection and management</p> <ul style="list-style-type: none"> • Performance based indicator for Bridge Maintenance and management in Malaysia: Fairul Zahri, Public Works Department, Malaysia • Principal bridge inspection in Netherlands: Marcel Kraus, Ministry of Infrastructure and Water management, Netherlands • Principal bridge inspection in Austria: Erwin Pilch, ASFINAG, Austria • Bridge Condition and Management in USA: Joey Hartmann, Federal Highway Administration, USA • Bridge Condition and Management in Japan: Masahiro Shirato, National Institute for Land and Infrastructure Management, Japan • Q&A and discussion
15:35-15:50	Break
15:50-17:25 (15min/each) (20min. Q&A)	<p>Maintenance of Cable supported bridges</p> <ul style="list-style-type: none"> • Calibrating Robotics Inspection of Cable Stay Bridges in Germany: Yvonne Gunreben, Federal Ministry for Digital and Transport, Germany • Management and Maintenance of Normandy Bridge: Nicolas Bardou, Vinci, France • Maintenance of the Golden gate bridge for more than 85 years: Steve Song, Golden Gate Bridge Highway and Transportation District, USA • Rehabilitation of Kanmon Bridge for 50 years: Kota Morishita, West Nippon Expressway Company Limited, Japan • Maintenance of the Honshu Shikoku Bridges: Yoshiteru Yokoi, Honshu Shikoku Bridge Expressway Company Limited, Japan • Q&A and discussion
17:25-17:40	Closing