



**International workshop on:
Road disaster management Using latest
information technologies**

~World case studies on disaster management ~

Face-to-face and virtual, June 30 2022

9:30-17:00 (UTC+9)

SECOND ANNOUNCEMENT

Organized jointly by:

- World Road Association (PIARC)
- Japan Road Association (PIARC JAPAN)
- Road Engineering Association of Asia and Australasia (REAAA)

Special supported by:

- Hanshin Expressway Company Limited





Sponsored by:

- East Nippon Expressway Company Limited
- Central Nippon Expressway Company Limited
- West Nippon Expressway Company Limited
- Metropolitan Expressway Company Limited
- Honshu-Shikoku Bridge Expressway Company Limited
- Public Works Research Center
- Hanshin Expressway Research Institute for Advanced Technology.
- Japan Anchor Association
- Japanese Technical Association for Steel Pipe Piles and Sheet Piles
- Japan Bosai Platform
- Nippon Koei Company Limited
- CTI Engineering Company Limited
- Chodai Company Limited





PIARC Program of International Workshops

PIARC (The World Road Association) is a non-political, non-profit organization whose mission comprises organizing international forums, disseminating best practice and promoting efficient tools for decision making in the road transport field.

As part of its work, international workshop focused on various topics are organized.

Technical Committee 1.5: Disaster Management

PIARC Technical Committee (TC) 1.5 Disaster Management observes that developing a reliable information collection and sharing system is the first step of proactive disaster management toward engaging with internal and external stakeholders and understanding their information needs and expectations. The aims of TC are to study disaster management techniques using Big Data and Social Network Data as well as to analyze the financial aspect of disaster management in preparedness, mitigation response, and recovery phase, and to update the Disaster Management Manual.

The work of Technical Committee TC 1.5 is carried out around the following topics:

- 1.5.1 Information and communication in disaster management
- 1.5.2 Financial aspects of disaster management
- 1.5.3 Update the Disaster Management Manual

Workshop Objectives

This workshop aims to share world case studies on disaster management. The goal of the workshop is to exchange information between countries. It will include discussions of recent road infrastructure maintenance technologies and panel discussion of strategies for road disaster resilience.

Topics to be covered





- Road disaster management
- Resilience
- Technologies and Strategies

Who should attend?

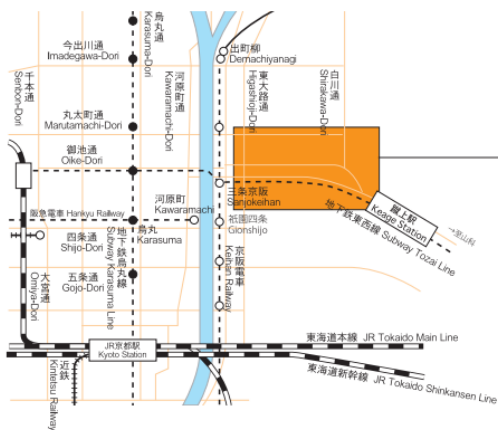
The PIARC International Workshop is intended for government agencies officials, private operators and managers responsible for the disaster management of roads. Participation is also open to technical staff involved in designing, executing, and overseeing road works, university academia, researchers and students, and wider supply chain stakeholders interested in further exploring the topics to be discussed at the workshop.

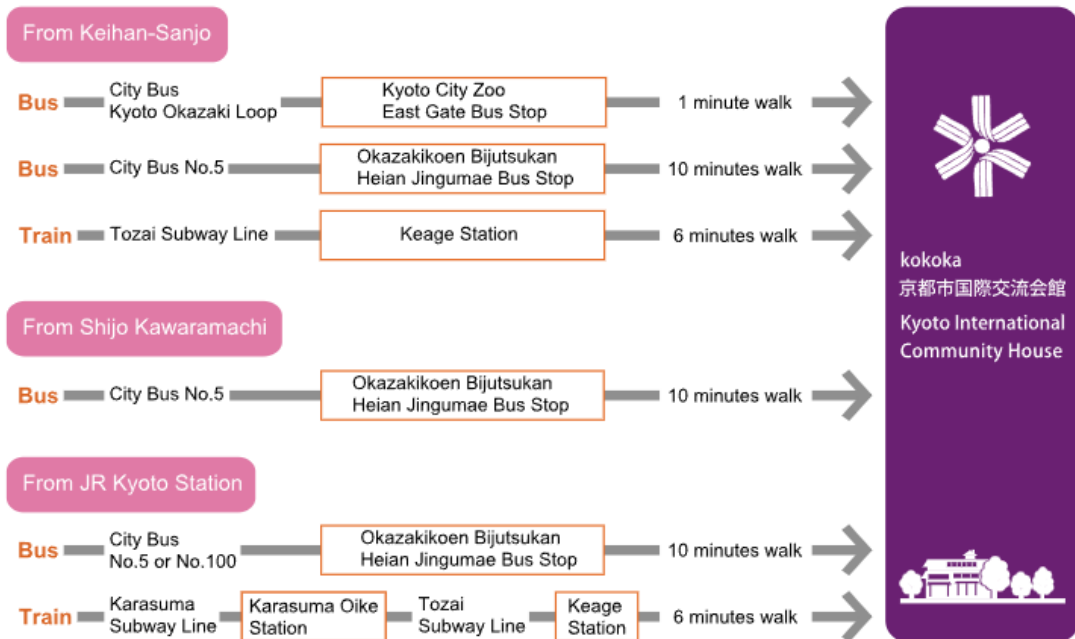
Hybrid style Workshop and Dates

This workshop will take place in a face-to-face and virtual format. Although the city of Kyoto, Japan, was selected as the workshop location, face-to-face participation will be limited to the first 100 applicants due to infection prevention measures. The workshop will take place from 9:30 – 17:00 (UTC+9), June 30, 2022. The venue is as follows.

Venue: Kyoto international community house (Event hall)

Address: 2-1 Torii-cho, Awataguchi, Sakyo-ku, Kyoto, 606-8536 JAPAN





For more information about access, see the web page(<https://www.kcif.or.jp/en>)

Format and Languages

The workshop will consist of various thematic sessions where the topics included in the preliminary program (see last paragraph) will be addressed. These sessions have been planned. Each session will include several presentations from various countries around the world. The workshop will also comprise several networking sessions and panel discussions covering disaster management.

Official languages of the seminar will be English and Japanese, and simultaneous translation will be provided.

Registration Fee

Free of charge for all participants. Participation is expected once you have registered. Cancellation of the registration will be possible in case there is a change of availability for the participant.

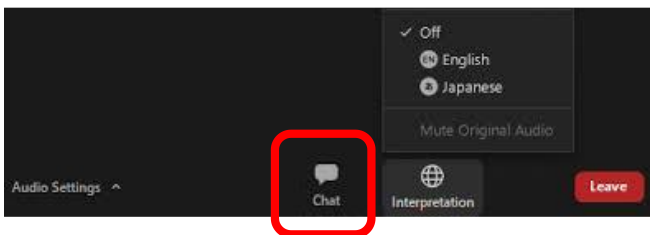




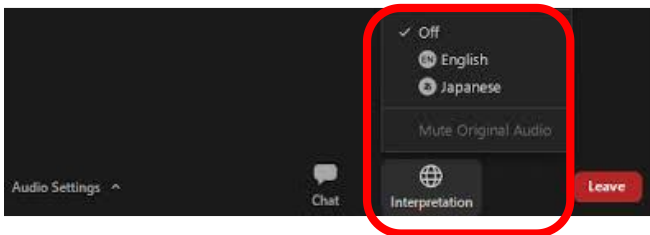
Requests and Cautions

○Virtual (Webinar)

You are able to chat with a secretariat during the Workshop by clicking the chat button at the bottom. With a lot of participants joining the Webinar at the same time, you are encouraged to use this function ONLY when you have questions to presenters or you encounter difficulties during the session, such as hearing the panelists etc. For questions, a moderator will read and ask the questions to speakers.



Simultaneous English and Japanese interpretation available. Please click Interpretation and select the language that you would like to hear.



Programs of last paragraph are shown in Japanese time zone(UTC9+). Please check the time of the event in your country's time zone.

- **UTC** : 06/30| 00:30 - 08:00
- **Paris** : 06/30| 02:30 - 10:00
- **New Delhi** : 06/30| 06:00 - 13:30
- **Tokyo** : 06/30| 09:30 - 17:00
- **Sydney** : 06/30| 10:30 - 18:00





- **Los Angeles** : 06/29| 17:30 -06/30| 01:00
- **New York** : 06/29| 20:30 - 06/30| 04:00

○Face-to-face workshop

Please help protect yourself and others from COVID-19.

- Wear a mask indoors
- Avoid crowds
- Wash your hands often
- Other requirements will be emailed to you after registration.

If you have questions please raise your hand and wait for a moderator to be chosen.

Registration

If you are interested in attending the PIARC international workshop on road disaster management using latest information technologies, please register the followings.

○Virtual (Webinar)

Please register through the following link by June 29.

https://zoom.us/webinar/register/WN_DHr36YHfQ1qB7FWzuphFHQ

Once registered, you will receive a zoom link for you to access the workshop.

○Face-to-face workshop

Please register by email to the following secretariat by June 20.

Workshop Secretariat

Young Professional, PIARC TC 1.5"Disaster Management"

Mr. Tomohiro FUJITA(Public Works Research Institute)

E-mail: piarc-kyotoworkshop@pwri.go.jp

Registration details

Please copy and paste the following subject and Main message to your email.





Fill out your information and send it to the secretariat.

Subject: Registration for PIARC Kyoto Workshop

Main message:

- 1.Name:
- 2.Nationality:
- 3.Affiliation:
- 4.Job title:
- 5.Address:
- 6.E-mail:
- 7.Phone number:

If you don't hear from us within one week after registration, your registration has not been completed. We are sorry, but please register again.

Program

- i Workshop contents will be organized according to the following program (some sections can be revised)
- ii Time in the seminar is scheduled as following Japanese time zone(UTC9+)
- iii Seminar will be translated simultaneously between Japanese and English

Opening session (9:30-9:50)

Welcome remark: *Mr. Shigeru KIKUKAWA, President, Japan Road Association (PIARC JAPAN)*

Welcome remark: *Mr. Kei SENOO, Technical advisor, World Road Association (PIARC)*

Welcome remark: *Mr. Katsuji HASHIBA, Vice president, Regional engineering association of Asia and Australasia (REAAA)*

Opening remark: *Dr. Yukio Adachi, Chair, PIARC TC1.5 "Disaster Management"*





Technical session (10:00-11:40)

~ Information and communication in disaster management ~

Disaster Management for a heavy snowfall on Expressway

- Record-breaking snowfall and Extensive vehicles stuck on Kan-etsu Expressway –

Mr. Ryushi KUBO, East Nippon Expressway Company Limited, Japan

Disaster management of Hanshin Expressway with seismic simulation

Dr. Yasumasa SOGA, Hanshin Expressway Company Limited, Japan

Road Emergencies in Chile and Information Management

Mr. Marcelo MEDINA, Ministry of Public Works -Roads Directorate, Chile

Using the Latest Information Technologies to Establish the Road Early Warning System and Response in Taiwan

Dr. Chin-Fa CHEN, Ministry of Transportation and Communications, Taiwan

Question & Answer(See [Requests and Cautions](#) for questioning technique)

Activity report session (11:40-11:55)

WG1: Information and communication in disaster management

Mr. Jan GRUBER, WG1 leader, PIARC TC1.5 "Disaster Management"

WG2: Financial aspect in disaster management

Ms. Sara CHINNICI, WG2 Co-leader, PIARC TC1.5 "Disaster Management"

WG3: Disaster management manual

Mr. Constantin ZBARNEA, WG3 leader, PIARC TC1.5 "Disaster Management"

Question & Answer(See [Requests and cautions](#) for questioning technique)

Keynote speech session (13:00-13:40)

Recent road infrastructure maintenance technologies essential for advanced disaster management

Dr. Yuzo OHNISHI, Prof. emeritus, Kyoto University, Japan

Question & Answer(See [Requests and Cautions](#) for questioning technique)





Technical session (13:50-15:30)

~ Financial aspects of disaster management ~

Natural hazard risk management

-Towards an assessment of the regional impact of damage to road bridges-

Dr. Saki YOTSUI, Ritsumeikan university, Japan

Minimize Expressway Closure Time in Natural Disaster

Mr. Yuji NISHIGAKI, West Nippon Expressway Company Limited, Japan

REAAA Resilience Initiatives for Road Transport

Ms. Caroline EVANS, Victorian Government, Australia

Financial aspect of disaster management, Italian case study

Ms. Sara CHINNICI, Design and Construction Management ANAS, Italy

Question & Answer(See [Requests and Cautions](#) for questioning technique)

Panel discussion session (15:40-16:50)

~ What are the strategies and tools for road disaster resilience ~

Future Vision of Expressway Operation and Disaster Management with "i-MOVEMENT"

Mr. Hiroyuki MIYANISHI, Central Nippon Expressway Company Limited, Japan

Application to comprehensive disaster prevention information system utilizing i-Dreams

Mr. Kouji NIGUMA, Metropolitan Expressway Company Limited, Japan

Seismic Retrofit for Long-Span Bridges

Dr. Kazuo ENDO, Honshu-Shikoku Bridge Expressway Company Limited, Japan

Disaster Risk Reduction in Indonesia

Dr. Herry VAZA, Highways Ministry of Public Works and Housing, Indonesia

Climate Change Adaptation and Resilience of Road Networks (in Low- and Middle- income countries)

Dr. Mark Henry RUBARENZYA, Research and Development Uganda National Roads Authority, Uganda





US Transportation Resilience Strategies

*Mr. Christopher ENGELBRECHT, Safety and Emergency Management Missouri
Department of Transportation, USA*

How to deal with a major flood when your country is not used to it?

Dr. Pierre GILLES, SPW Mobility and Infrastructure, Belgium

Moderator: *Dr. Yukio ADACHI, Hanshin Expressway Company Limited, Japan*

Closing session (16:50-17:00)

Closing remark: *Mr. Patrick MALLÉJACQ, Secretary general, World Road Association
(PIARC)*

Closing remark: *Dr. Yukio ADACHI, Chair, PIARC TC1.5 "Disaster Management"*

