



Politecnico  
di Torino

PIARC Bridges Committee – Workshop  
Preliminary Program



March 12-13, 2026

Castello del Valentino, Salone d'Onore, Politecnico di Torino,  
[Viale Pier Andrea Mattioli, 39, 10125 Torino TO](#)

**Workshop Program Thursday March 12<sup>th</sup>, 2026**

**Time Sessions / Activities**

**09:00 – 09:30 REGISTRATION - Sala delle Colonne Castello del Valentino**

**Opening Talk Salone d'Onore Castello del Valentino**

**Bernardino Chiaia (Italy)** (Local Chairperson)

**09:30 – 10:00 Mario de Miranda (Italy)** (Chair of the Italian Bridges Committee)

**Nicolas Bardou (France)** (President of the PIARC Bridges Committee)

**10:00 – 11:10 Session 1: Innovative SHM Techniques for Bridge Asset Management**

*Chairs: Marco Civera (Italy), Cécile Bouvet Agnelli (France)*

Presentations and discussion on strategies, tools, and case studies

10:00–10:15 PIARC 1 - **Claude Rospars (France)** UGE – “Investigating the use of AI in Structural Health Monitoring of existing bridges”

10:15–10:30 Italy 1 - **Giuseppe Pasqualato (Italy)** (TC SINA-ASTM) “Bridge monitoring in the management of infrastructure assets within the experience of SINA-ASTM”

10:30–10:45 Italy 2 - **Iliaria Venanzi (Italy)** UNIPG, “Advances in Monitoring and Assessment Techniques for Bridge Asset Management”

10:45–11:00 PIARC 2 - **Heungbae Gil (South Korea)**, “Bridge Health Monitoring Systems for Expressway Bridges”

11:00 - 11:10 Q&A

**11:10 – 11:30 Coffee Break**

**11:30 – 12:40 Session 2: From failure interpretation to bridge management**

*Chairs: Amedeo Manuello Bertetto (Italy), Pierre Gilles (Belgium)*

Lessons learned from failures, methodologies for management improvement

11:30–11:45 PIARC 3 - **Bernard Pilon (Canada)** - “Bridge of Concorde: lessons learnt”

11:45–12:00 Italy 3 - **Marco Domaneschi (Italy)** - “Lessons learned from the Morandi Bridge collapse and research developments”

12:00–12:15 PIARC 4 - **Marta Pertierra (Spain)** - “Strengthening Bridge Management in the Community of Madrid after the 2023 Collapses”

12:15–12:30 Italy 4 - **Paolo Anfosso (Italy)** - “Safety and management of highway bridges and viaducts”

12:30–12:40 Q&A

**12:40-14:00 Lunch**

**14:00 – 15:30 Session 3: Innovations in Design: New Standards, Analysis and Optimization**

*Chairs: Marco Domaneschi (Italy), Yvonne Gunreben (Germany)*

Advances in computational tools, optimization, guidelines and future challenges

14:00–14:15 Italy 5 - **Giuseppe Carlo Marano (Italy)**, “Possibilities and limitations of AI-enhanced solutions for road infrastructures”

14:15–14:30 Italy 6 - **Paolo Castaldo (Italy)** POLITO “Ultimate capacity in bridge infrastructure”

14:30–15:00 PIARC 5 - **Chris Hendy (UK)**: “Technical improvements for steel and concrete bridge design in the second-generation Eurocodes”.

PIARC 6 - **Ana Spasojevic (Switzerland)**: “Finding the balance in maintenance strategy: advanced analysis, traffic load updates, instrumentation and environmental sustainability”

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15:15–15:30 Q&A

**15:30 – 17:15 Session 4: Long-span bridges**

*Chairs: Bernardino Chiaia (Italy), Liji Huang (China)*

Advances in design and management

15:30–15:45 **Mario De Miranda (Italy)** (Chair of the Italian Bridges Committee) – “Long span bridges: challenges and limits”

15:45–16:15 **Yoshiya Sakamoto (Japan)**: “Maintenance and management of the Honshu-Shikoku Bridge”

16:15–16:45 **Jamal Assad (Denmark)** “Çanakkale innovative aspects”

16:45–17:15 Q&A

**20:00 Gala Dinner - Closed event (registration required)**  
**Caprera 1883 Restaurant - Corso Moncalieri 22- 10131 Turin**

<b>Workshop's Program Friday March 13<sup>th</sup>, 2026</b>	
TECHNICAL VISITS Departure: Piazzale Duca d'Aosta - 10129 Torino	
	<b>Activity: TECHNICAL VISITS (limited to 30 participants)</b> <b>- Closed event (registration required)</b>
8:45-9:00	Departure from Politecnico di Torino by BUS
9:00-10:30	BUS transfer to the first visit location
10:30-12:30	<b>Visit to Worksite on Autostrada dei Fiori A6 (Turin-Savona)</b>
<b>13:00-14:30</b>	<b>Lunch Break → lunch organized by the concessionaire Autostrada dei Fiori</b>
14:30-16:00	BUS transfer to the second visit location
16:00-17:30	<b>Visit to the San Giorgio Bridge in Genoa (SHM, equipment inside the deck)</b>
17:30	Departure to Turin (about 2h30' transfer by BUS)

Reach out with any questions or inquiries [piarc-bridges-workshop@polito.it](mailto:piarc-bridges-workshop@polito.it)



**GALA DINNER LOCATION**  
(registration required)



**Meeting Point DEPARTURE TECHNICAL VISITS**  
(registration required)

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