



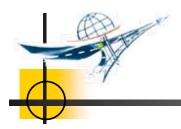
PIARC COMMITTEE TC4.4: Bridges & Related Structures

Chairman: Rafael Astudillo

- → Ministerio de Fomento. CEDEX
- Director del Laboratorio Central de Estructuras y Materiales



→ Rafael.astudillo@cedex.es





PIARC COMMITTEE TC4.4: Bridges & Related Structures



14:00	10'	Summary of TC4.4 activity (R. Astudillo, Spain)		
14:10		Presentation of the technical work of the Committee	Increasing durability in the phase of design and construction. (B. Hayes, UK)	
14:25	45'		Increasing durability and lifetime of existing bridges. (J. Bjerrum, Denmark)	
14:40			Cost effective bridge management (P. Graham, Australia)	
14:55	15'	Discussion		
15:10	20	Future Activity		
15:30	30	Coffee break		
16:00	90'	Historic Bridges	Management of historic bridges. (J. Lämsä, Finland)	
16:15			Bridge owner's benefits from probability-based management of old bridges. (J. Bjerrum, Denmark)	
16:30			Virginia Department of Transportation's Historic Bridge Maintenance Plan. (M.T. Kerley, USA)	
16:45			Analysis of historical bridges using the mixed discrete element method.(G. Antunes Ferreira, Portugal)	
17:00			Maintenance of Road Bridges in Japan. (Y. Morita et alt. Japan)	
17:15			Increase in the durability and useful life of existing bridges: Guidelines for Design, Construction and Maintenance. (M. Lieggio et alt, Italy)	
17:30		Closing		





- Membership
- Tasks
- Meetings
- Reports
- Comments





MEMBERSHIP

Members

- 57 Current members
- 21 Corresponding members
- 37 Countries

Structure

- TC Chair
- Task Chairs
- English & French Secretaries
- Others: Glosary & links with other Committees







PIARC COMMITTEE TC4.4: Bridges & Related Structures

Chairman: ASTUDILLO, Rafael (Spain)

English Secretary: KONSTANTINIDIS, Dimitris (Greece)

French Secretary: IMBERTY, Florent (France)

Tasks Chairmen: HAYES, Brian (United Kingdom)

BJERRUM, John (Denmark)

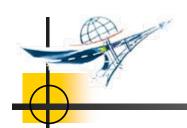
GRAHAM, Peter (Australia)





SELECTION OF TASKS

Terms of reference	Proposals by previous Bridges Committee	Strategic plan
 Bridge management Durability Safety & risk management Structural condition Operating methods 	 Investigation methods Durability Finance for maintenance Safety Equipment Historical bridges Whole life cost 	 Increasing the durability and safety of structures Evaluating the condition of structures in connection with asset management methods Taking into account environmental and cultural aspects





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TASKS

- TASK 1: Design and Construction for Durability
- TASK 2: Increase of Durability or lifetime in existing bridges
- TASK 3: Approaches to Cost Effective Bridge Management

+ Historical bridges





TC4.4 MEETINGS

2004	Paris	Madrid
2005	Venice	Thesaloniki
2006	Budapest	Québec
2007	Vienna	Nagoya
	Paris	
		(5) 50





Deliverables

- Reports
- Session devoted to historical bridges