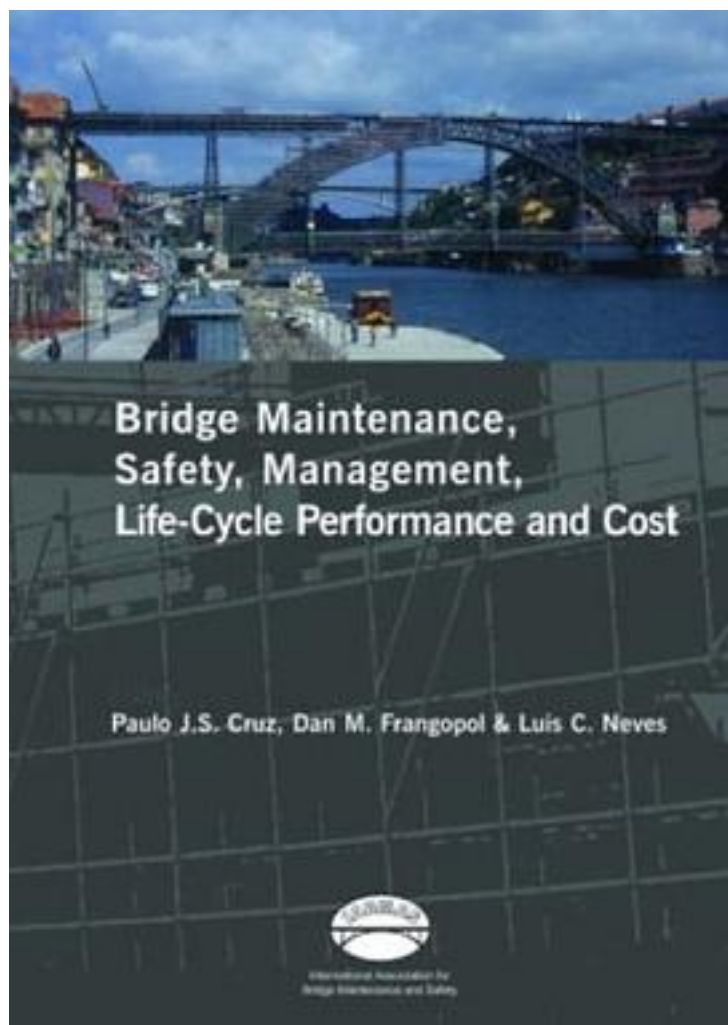


Advances in Bridge Maintenance, Safety Management and Life-cycle Performance



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"Advances in bridge maintenance, safety, management and life-cycle performance" contains the papers presented at IABMAS'06, the Third International Conference of the International Association for Bridge Maintenance and Safety (IABMAS), held in Porto, Portugal from 16 to 19 July, 2006. All major aspects of bridge maintenance, safety and management are addressed including advanced materials, ageing of bridges, assessment and evaluation, bridge codes, bridge diagnostics, bridge management systems, composites, design for durability, deterioration modelling, emerging technologies, fatigue, field testing, financial planning, health monitoring, high performance materials, innovations, inspection, load capacity assessment, loads, maintenance strategies, new technical and material concepts, non-destructive testing, optimization strategies, prediction of future traffic demands, rehabilitation, reliability and risk management, repair, replacement, residual service life, safety and serviceability, service life prediction, strengthening, sustainable materials for bridges, sustainable bridges, whole life costing, among others. This book is a major contribution to the state-of-the art in all aspects of bridge maintenance and safety, including contributions from leading experts in this area. It is a significant contribution to the process of decision making in bridge maintenance, safety, management and cost for the purpose of enhancing the welfare of society.

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