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Bridge Engineering

Bridges for sea crossings
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Global fixed link bridges: state of the art

P. Mullins and D. Collings

Feasibility study, design and construction of the 27 km long Temburong Bridge, Brunei

S. Yip and N. Hussain

Sultan Haji Omar Ali Saifuddin Bridge (Temburong Bridge), Brunei: span-by-span deck erection

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The construction of the Cross Bay Link bridge in Hong Kong

Y. Wang, H. L. Liu, S. Mak and C. Hu

Design and construction of Jinhai Bridge, China

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1915Çanakkale Bridge, Turkey: challenges and achievements of deck erection over the Dardanelles

M. Ascaso Til, A. Sancho Santamaría and N. L. Lopez

Feasibility study and preliminary design of Bataan–Cavite interlink bridge, Philippines

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Development of extreme fjord crossings in the E39 coastal highway route project, Norway – a review

X. Xiang



Influence of grading recycled concrete aggregates on the properties of pervious concrete

D. Singh and S. P. Singh

Effect of hybrid E-glass and basalt fibre on the flexural behaviour of concrete

D. Rathod and S. Manikandaprabhu

Mechanical behaviour of rubberised geopolymer composites

K. Yomthong, S. Wattanasiriwech and D. Wattanasiriwech

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S. A. Kadapure, P. Kadapure, S. Nandi and A. Shet

Study on the efficiency and energy consumption of electric and diesel pumping stations

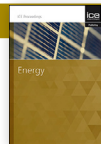
A. G. Firouzabadi, S. M. Seyedan, M. Jovzi, M. Albaji and K. Peyghan

Recommissioning methodology for the evaluation of airport air conditioning systems

W. S. da Costa, P. R. Duailibe Monteiro, M. Z. Fortes, A. C. Colombini and C. M. de Oliveira

Characterising municipal solid waste to analyse life-cycle energy demand and emissions

N.-C. O, T.-H. Choe, J.-H. Kim and C. M. Choe



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S. Sivashanmugam, S. Rodriguez, F. Rahimian and N. Dawood

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P. M. Pappas

Construction engineering at The Acre, UK: how innovative props facilitated building reuse

J. Roberts, J. Simpson and J. Paxman

Procurement and contracting for climate change data and digital solutions

A. Friel, M. Marfé, C. Martin and R. Harding

Embedding reuse into infrastructure projects by carrying out 'pre-redevelopment audits'

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Rejuvenation of existing structures in New Zealand's land transport infrastructure

S. Shanmuganathan and L. Coleman



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B. S. Tork and H. A. El-Arabaty

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D. Theodossopoulos

Non-statutory reservoirs: a journey of discovery

M. Roberts, R. Thorp and J. Benn

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C. P. Cavanagh and B. T. Read



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Estimating greenhouse gas emissions arising from the maintenance of sewer networks

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Net-zero carbon dioxide emissions in flood defence schemes

L. Cloud

Arsenic calamity in India's West Bengal: a critical review of mitigation scenarios

S. Koley

Assessing the adaptability of old community for renovation based on health sustainability

H. Lu and X. Zhang

Framing blockchain-integrated digital twins for emergent healthcare: a proof of concept

Q. Lu, L. Chen, X. Xie, Z. Fang, Z. Ye and M. Pitt



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Analysis of visual inspection data for a sample of highway bridges in the UK

J. Bennetts, P. J. Vardanega, G. T. Webb, S. R. Denton and N. Loudon

Understanding the performance of bridge decks through full-scale accelerated testing

M. Rashidi, H. Azari, J. Braley and R. Zobel

Estimation of land subsidence hazard using interferometry of satellite radar images

M. Mohammadhasani, B. S. S. Kermani, M. Jameel and S. J. S. Hakim



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S. Alidadi, R. Alipour and M. Shakeri

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R. Alipour, A. A. Heshmati R, J. Karimiazar, N. Esazadefar, E. Asghari-Kalajahi and S. H. Bahmani

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Q. Liu, X.-F. Liu, W. Huang, W. Tan, T. Wang, S.-Y. Yuan and P. He

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Mechanical and environmental characteristics of geogrid-reinforced waste foundry sand beds

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A proposed training-within-industry-informed human failure reduction framework for South African construction

L. G. Mollo, F. Emuze and J. Smallwood

Addressing violations of safe work procedures in South African construction

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Exploring barriers to effective safety risk assessment in Indian construction projects

V. Chellappa and U. R. Salve

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A face mask wearing detection technique to protect against coronavirus in metro stations

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B. Li, W. Zhang, Z. Liu and H. Meng

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