

MONITOR:ICE PROCEEDINGS

ICE Proceedings

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Bridge Engineering

Arch bridges – modern developments
166, No. BE4, December 2013, 229–290

Extradosed and cable-stayed bridges, exploring the boundaries
D. Collings and A. S. Gonzalez

Design of railway bridges considering life-cycle assessment
V. Thiebault, G. Du and R. Karoumi

Lifecycle management of footbridges: a framework
L. H. Ho

Glasgow Central station: a new bridge, track and platforms
M. Hackney, D. Boothman, S. Nutley and S. Brown

The Viana footbridge: construction and dynamic monitoring
R. Barbosa, F. Magalhães, E. Caetano and Á. Cunha



Construction Materials

167, No. CM1, February 2014, 1–62

Iron- and calcium-based biogroups for porous soils
V. Ivanov, J. Chu and V. Stabnikov

Slag material's proportion optimised by polynomial regression
J. Wang, A. Sun, Q. Gao, F. Zhai, S. Wu and A. A. Volinsky

Flexural performance of fibrous concrete with cement additions
G. Kaur, S. P. Singh and S. K. Kaushik

Stochastic analysis of reinforced concrete beams with corroded reinforcement
K. Balaji Rao and M. B. Anoop

Profiled sandwich panels with deep foam cores in flexure
M. D. Heywood, R. G. Ogden and D. Moutaftsis



Energy

167, No. EN1, February 2014, 1–46

Soil response around Donghai offshore wind turbine foundation, China
K. Chang, D. Jeng, J. Zhang and Y. Zhang

Development of a cassette-panel transpired solar collector
R. Hall, C. Kendrick and R. M. Lawson

The implications of upstream emissions from the power sector
G. P. Hammond and A. O'Grady



Engineering and Computational Mechanics

166, No. EM4, December 2013, 177–229

Simulations of masonry-infilled reinforced concrete frame failure
J. S. Kuang and Y. P. Yuen

Influence of loading rate on failure mode of reinforced concrete members
P. Isaac, A. Darby, T. Ibell and M. Evernden



Analytical studies of sloshing in half-cylindrical tanks

P. A. Lundberg and J. A. U. Nilsson

Computational fluid dynamics of vortex flow controls at low flow rates

G. Queguineur, D. Jarman, E. Paterson and G. Tabor

Passive accuracy adjustment of membrane reflectors

J. Jiang and T.-J. Li

Engineering History and Heritage

167, No. EH1, February 2014, 1–62

Frederick Cooper (1841-1933) – the supreme resident engineer
G. Roberts

The history and replacement of lock gates
M. Clarke

Preserving canals through innovating maintenance spot dredging
C. L. Greenwood

The safety record of timber railway bridges in the UK: 1840-1870
N. Bill

Rebuilding Woolwich Arsenal clock tower
J. Foster



Engineering Sustainability

167, No. ES1, February 2014, 1–46

Managerial sustainability assessment tool for Iran's buildings
S. B. Banihashemi, M. Shakouri, M. M. Tahmasebi and C. Preece

Kolkata's sewer rehabilitation: benchmarking sustainable urban regeneration
N. B. Basu and A. Dey

Landscape assessment of engineered and man-made slopes

J. S. Pozo-Antonio, L. R. Alejano, M. Veiga and E. Alberruche



Forensic Engineering

Fifth conference on forensic engineering

167, No. FE1, February 2014, 1–54

Learning from confidential reporting
A. Soane

Structural unsafety revealed by failure databases

K. Terwel, W. Boot and M. Nelisse

Failure case databases about risk in civil engineering
D. Breyse and A. Ndiaye

Learning from structural failure: the challenges and opportunities
S. P. Brady

Application of bridge safety system to monitor performance
C. I. Yen, C. K. Huang, W. F. Lee, C. H. Chen, M. C. Chen and Y. C. Lin



Geotechnical Engineering

167, No. GE1, February 2014, 1–94

The principle of effective stress and triaxial compression testing of peat
L. Zhang and B. C. O'Kelly

Numerical study of ground vibration due to impact pile driving

A. Khoubani and M. M. Ahmadi

Reducing driving forces for pressed-in piles
R. J. Gorasia, A. M. McNamara and D. Rettura

Electro-osmotic chemical treatment of clay with interbedded sand
S.-C. Chien, C.-Y. Ou and W.-W. Lo

Centrifuge modelling of deep excavation over existing tunnels
X. Huang, H. Huang and D. Zhang

Compaction and volumetric shrinkage of bentonitic mixtures
A. H. Ören and A. Kaya

Performance of granular columns in dispersive soils
S. Nayak, M. R. Dheerendra Babu, R. Shivashankar and N. James



Ground Improvement

International conference on ground improvement and ground control
167, No. GI1, February 2014, 1–78

Analyses of reinforced embankment on soft and hard foundations
S. Duangkhae, D. T. Bergado, P. Baral and B. T. O'cay

Performance assessment of reinforced ballasted rail track

B. Indraratna, S. Nimbalkar and T. Neville

Methods of vacuum consolidation and their deformation analyses
J. Chai, J. P. Carter and M. D. Liu

Stresses and displacements in reinforced tracks
L. Sowmiya, J. T. Shahu and K. K. Gupta

Strength correlations of cement-mixed soils using data mapping
O. Wang and A. Al-Tabbaa



Management, Procurement and Law

Education and training for civil engineers

167, No. MP1, February 2014, 1–46

Future of engineering education
T. Arciszewski

Soft skills of senior contracts managers in Northern Ireland
S. M. Fletcher, J. G. Gunning and R. Coates

Innovative learning at the University of Edinburgh

A. Furber, M. Crapper, M. Gillie, T. Stratford, L. Bisby, J. Blackford and D. White

Virtual collaborative learning for building design

R. Soetanto, M. Childs, P. Poh, S. Austin and J. Hao



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Maritime Engineering

166, No. MA4, December 2013, 149–210

Beach response due to sand nourishment on the east coast of Malaysia

M. S. Ab Razak, D. Roelvink and J. Reynolds

An OpenMI-based combined model for alongshore sediment transport and shoreline change

Z. Zhou, B. L. de San Roman and R. Nicholls

Sea level variation from a remote river in the Gulf of Paria, Trinidad

C. Subrath-Ali, A. J. Chadwick, I. Dialsingh and A. Sahai

Communication and adaptation: coastal flood risk in Lincolnshire

D. Hickman and J. Flikweert

Municipal Engineer

166, No. ME4, December 2013, 209–270

Hydraulic design and engineering aspects of combined sewers

A. Dey

Rehabilitation of Kolkata's first Victorian-age brick sewer

N. B. Basu, S. Boral, S. K. Mandal and A. Dey

Proposed integrated road surface management system for small municipalities

M. Mubarak

Waynergy people: a new pavement energy harvest system

F. Duarte, F. Casimiro, D. Correia, R. Mendes and A. Ferreira

Urban regeneration and knowledge-intensive services

B. Plaza, C. Galvez-Galvez and A. Gonzalez-Flores

Procurement clinics in public procurement and urban development

M. Kuronen and P. Vaara

Structures and Buildings

167, No. SB2, February 2014, 79–140

Containment evaluation against ground shock in rock

J. Iqbal

Effect of foundation flexibility on response of concrete frame structures under near-fault ground motions

A. M. Halabian and A. R. Emami

Chloride penetration in concrete subject to wet/dry cycling: influence of moisture content

C. Arya, S. Bioubaksh and P. Vassie

Tests up to failure of a reinforced concrete Hennebique T-beam

A. Hellebois and B. Espion

Transport

167, No. TR1, February 2014, 1–62

UK airfield pavement design using French asphalts

B. Hakim, I. Widyatmoko, C. Fergusson and J. Richardson

Sustainable operational lane capacity for highways

G. Tenekeci, S. Wainaina, I. Askew and A. Mohammad

Design for efficient drainage of railway track foundations

K. R. Rushton and G. Ghataora

Vehicle dynamic interaction with railway track embankment

M. Esmaeili, J. Sadeghi and M. Fesharaki

Semi-circular notched beam testing procedure for hot mixture asphalt

A. M. Abu Abdo, F. Eckwright, S. J. Jung, F. Bayomy and R. Nielsen

Urban Design and Planning

167, No. DP1, February 2014, 1–46

London 2012 Olympics – design and town planning

K. Durbin, S. Mason and K. Hughes

Improving contemporary approaches to the master planning process

H. Al Waer

User and organisational responses to biomass district heating

A. Walshaw

Waste and Resource Management

Advanced thermal treatment of waste

167, No. WR1, February 2014, 1–46

Effect of oxygen and steam on gasification of palm oil wastes

S. Du, H. Yang, X. Wang, S. Zhang and H. Chen

Hydrocarbons obtained by pyrolysis of waste materials

N. Miskolczi

Hydrogen from waste plastics by way of pyrolysis–gasification

C. Wu and P. T. Williams

Utilisation of oxygen for enhanced gasification performance

C. D. Chapman, R. J. Taylor and A. Faraz

Water Management

167, No. WM2, February 2014, 63–124

Prediction of scour at abutments using piecewise regression

A. Etemad-Shahidi and M. S. Rohani

Multi-lens pier scour monitoring and scour depth prediction

W.-Y. Chang, F. Lin, J.-S. Lai, J.-C. Lee, W.-F. Tsai and C.-H. Loh

Reduction of pier scour using bed suction and jet injection

S. Soltani-Gerdefaramarzi, H. Afzalimehr, Y.-M. Chiew and J. Gallichand

A nested grid based computational fluid dynamics model to predict bridge pier scour

S. Baranya, N. R. B. Olsen, T. Stoesser and T. W. Sturm

Scour and flow around submerged structures

A. Sarkar

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Title	No. of issues	Electronic only: £	UK: £	Elsewhere by air: £
Bridge Engineering	4	440	490	540
Civil Engineering	6	170	190	215
Construction Materials	6	380	420	480
Energy	4	245	275	310
Engineering and Computational Mechanics	4	240	275	305
Engineering History and Heritage	4	245	275	310
Engineering Sustainability	6	375	415	465
Forensic Engineering	4	250	285	315
Geotechnical Engineering	6	315	365	405
Ground Improvement	4	345	370	415
Management, Procurement and Law	6	285	315	365
Maritime Engineering	4	240	285	320
Municipal Engineer	4	165	190	215
Structures and Buildings	12	685	740	795
Transport	6	230	265	300
Urban Design and Planning	6	295	325	365
Waste and Resource Management	4	245	275	310
Water Management	10	575	635	695
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Advances in Cement Research	6	415	460	505
Construction Law Quarterly	4	75	95	110
Dams and Reservoirs	4	360	395	435
Environmental Geotechnics	4	Free	N/A	N/A
Geotechnical Research	4	Free	N/A	N/A
Geosynthetics International	6	620	N/A	N/A
Géotechnique	12	570	660	735
Géotechnique Letters	4	380	N/A	N/A
Infrastructure Asset Management	4	Free	N/A	N/A
International Journal of Physical Modelling in Geotechnics	4	310	N/A	N/A
Journal of Environmental Engineering and Science	4	535	595	650
Magazine of Concrete Research	24	795	895	995

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