

MONITOR:ICE PROCEEDINGS

ICE Proceedings

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Bridge Engineering

166, No. BE1, March 2013, 1–62

Experimental verification of a stay cable delta frame model
P. S. Nimse, D. K. Nims, A. Helmicki and V. J. Hunt

Monitoring and repair of an impact damaged prestressed bridge

V. Pakrashi, J. Harkin, J. Kelly, A. Farrell and S. Nanukuttan

Design of cross-girders and slabs in ladder deck bridges

C. R. Hendy, J. Sandberg and D. Iles

Kinetic analysis and rehabilitation of old bascule bridge in Tianjin, China

X. Liu, J. H. G. Macdonald and W. Chen

A spatial view of the flow of force in masonry bridges

B. Harvey



Use of waste limestone dust and steel slag in UK highways type 1 unbound mixtures

B. Saghaei, H. Al Nageim, P. Visulios and N. Ghazireh

An appraisal of the compressive force path concept

B. Singh and N. K. Jangir

Energy

Nuclear energy

166, No. EN2, May 2013, 47–90

Foamed concrete facilitates decommissioning of nuclear plant

T. Ashworth, A. Hooper, B. O'Connor, E. Miller and A. Jarratt

Finding the depth of radioactivity in construction materials

M. J. Joyce, J. C. Adams, J. A. Heathcote and M. Mellor

Plant life-cycle information management in nuclear new build

L. K. Tan and R. Gibbels

Open cycle thorium-uranium-fuelled nuclear energy systems

S. F. Ashley, R. A. Fenner, W. J. Nuttall and G. T. Parks



Civil Engineering Special Issue

Australia and New Zealand
166, No. CE5, May 2013, 1–64

From wasteland to world-class development: Barangaroo South, Sydney, Australia

P. Wong, R. Bressi, P. Jerogin and V. Kardash

Port Botany expansion project, Sydney, Australia: design and construction of counterfort retaining walls

D. Packer, P. Masters and G. Riordan

Design and construction of the Inner West Busway, Sydney, Australia

P. Hyndman, A. Shoebotham and I. Hespe

Hunter Expressway, Newcastle, Australia: the challenge of poor ground and subsidence

S. Aryal, R. Kingsland, P. Rees, G. Russell, O. Stahlhut and D. Wheatley

Ipswich motorway, Australia: transport solutions for urban corridors

G. Royle

Coping with the boom: transport strategies for Perth, Australia

G. Mason, G. Newson and C. Wooldridge

Suburban rail stations in Melbourne, Australia: design and construction in a live rail environment

M. Holt, M. Ager and C. Lyons

The Auckland rail electrification project, New Zealand: accelerated bridge construction in seismic zones

P. Wiles, A. Walker and D. Idle

Infrastructure impact and recovery following the 2010–2011 earthquakes in Christchurch, New Zealand

T. Howes and T. Cheesebrough



Engineering and Computational Mechanics

166, No. EM1, March 2013, 1–56

Non-linear analysis and moment redistribution of prestressed concrete members

C. C. Y. Leung, F. T. K. Au and A. K. H. Kwan

Fibre-reinforced, self-compacting concrete flow modelled by smooth particle hydrodynamics

S. Kulasegaram and B. L. Karihaloo

Smoothed particle simulation of gravity waves in a multi-fluid system

S. Shao

Turbulence schemes for modelling a submerged hydraulic jump

J. P. Raiford and A. A. Khan



Engineering History and Heritage

166, No. EH2, May 2013, 63–118

The restoration of Calver weir

G. Thornton, B. Welsh, P. Harris and T. Cliff

The Scottish contribution to New Zealand's lighthouses

G. V. Nalder

A Norwegian roadmaster's 1838 tour of Britain and beyond

H. Seland

Joseph Locke: pioneer civil engineering project manager

M. Barnes

Water resources development in the Cauvery river basin, India

D. B. Stacey and V. R. Visweswaran



Engineering Sustainability

Participatory planning

166, No. ES2, April 2013, 55–108

Engaging residents' groups in planning using focus groups

K. Brookfield, A. Bloodworth and J. Mohan



Engaging stakeholders through participatory modelling

G. Garrod, M. Raley, O. Aznar, O. B. Espinosa, O. Barreteau, M. Gomez, F. Schaff and N. Turpin

Indicators and stakeholder engagement: a Dublin case study

E. Siddall, T. Grey and M. Dyer

Collaborative platform to facilitate engineering decision-making

C. L. Walsh, S. Glendinning, R. J. Dawson, K. England, M. Martin, C. L. Watkins, R. Wilson, A. McLoughlin, V. Glenis and D. Parker

Forensic Engineering

166, No. FE2, May 2013, 55–108

Liquefaction-induced road embankment failures

Y. Tsukamoto, K. Ishihara, S. Kawabe and S. Kanemits

Forensic engineering of construction vibrations

M. R. Svinikin

A tale of twin cut slopes in Taiwan

H. J. Liao, W. F. Lee and C.-W. Wang

Foundations on collapsible soils: a review

B. Kalantari

Investigating indoor air quality problems: best practice and case studies

D. Crump



Geotechnical Engineering

Geotechnical challenges for renewable energy developments
166, No. GE2, April 2013, 95–224

Suction caissons for cross-flow tidal power system

M. L. Maynard, J. A. Schneider, J. McEntee and E. Newberg

Cyclic triaxial tests to aid offshore pile analysis and design

W. W. Sim, A. Aghakouchak and R. J. Jardine

The effect of ageing on the axial capacity of piles in sand

K. G. Gavin, D. J. P. Igoe and L. Kirwan

Displacement response to axial cycling of piles driven in sand

S. P. Rimoy, R. J. Jardine and J. R. Standing

Lateral response of monopile supporting an offshore wind turbine

R. T. Klinkvort and O. Hededal

Dynamics of offshore wind turbines supported on two foundations

S. Bhattacharya, J. A. Cox, D. Lombardi and D. Muir Wood

A framework for understanding energy pile behaviour

P. J. Bourne-Webb, B. Amatya and K. Soga

Pile heat exchangers: thermal behaviour and interactions

F. Loveridge and W. Powrie

Thermal response testing through the Chalk aquifer in London, UK

F. Loveridge, G. Holmes, W. Powrie and T. Roberts

Geothermal subsidence study at Wairakei-Tauhara, New Zealand

C. Bromley, K. Brockbank, T. Glynn-Morris, M. Rosenberg, M. Pender, M. O'Sullivan and S. Currie

Rock compressibility at the Wairakei-Tauhara geothermal field, New Zealand

M. Pender, G. Ramsay, T. Glynn-Morris, B. Lynne and C. Bromley



Construction Materials

166, No. CM2, April 2013, 63–122

Durability of wheat straw ash concrete to alkali-silica reaction

N. M. Al-Akhras

Effects of accelerators on concrete containing electric arc furnace dust

F. M. Al Mutlaq and C. L. Page

Strength performance of fly ash and slag mixtures using gypsum

S. Karami, P. Claisse, E. Ganjian and H. S. Pouya

Efficiency factors of recycled concrete aggregate concrete bottle-shaped struts

B. Singh, D. Kumar Sahoo and P. Bhargava



MONITOR:ICE PROCEEDINGS

Ground Improvement

166, No. GI2, May 2013, 63–124

Modelling PVD-improved ground in plane strain analysis

J. Chai, D. T. Bergado and S.-L. Chen

Relative density concept is not a reliable criterion

B. Hamidi, S. Varaksin and H. Nikraz

Influence of nail inclination and facing material type

V. M. Rotte and B. V. S. Viswanadham

Experimental creep behaviour and modelling of silicified sand

T. S. Becker, J. E. Dove and P. M. Dove

Strength of a clay soil and soil-cement mixture with resin

A. R. Estabragh, M. Naseh, I. Beytollahpour and A. A. Javadi

Management, Procurement and Law

166, No. MP2, April 2013, 55–108

World Federation of Engineering Organisations's compilation of capacity building good practice

K. Wall, D. D. Clinton Jr, M. R. Sanio, D. Botha, A. Cleland, D. Negussey and S. Lewis

Pedagogical imperatives in the teaching of project management

U. Ojiko, M. Chipulu, M. Ashleigh, K. Awinda, V. Samwinga, D. Brown and S. Maguire

Technical networks – the framework for disseminating knowledge

C. R. Hendy, P. C. Spencer and M. Sundaram

From projects into operations: lessons for data handover

J. Whyte, C. Lindkvist and N. H. Ibrahim

Nuclear decommissioning contracts: the legal and commercial issues

H. Lal

The role and effect of technical review panels

B. H. Spottiswoode and D. C. R. MacKellar

Maritime Engineering

166, No. MA1, March 2013, 1–46

Caribbean storm surge mapping – an overview towards guidelines

J. D. Banton and D. D. Dowding

The impact of tsunami-induced bores on buildings

C. Chinnarasri, N. Thanasisathit, A. Ruangrassamee, S. Weesakul and P. Lakkunaprasit

Comparative study of breakwater crown wall – calculation methods

V. Negro Valdecantos, J. S. López Gutiérrez and J. I. Polvorinos Flors

Municipal Engineer

Asset management for legacy infrastructure

166, No. ME1, March 2013, 1–62

Interactive multicriteria decision support system for spatial planning analysis

L. Alcáda-Almeida, J. Coutinho-Rodrigues and J.-P. de Almeida

Water-safety strategies and local-scale spatial quality

A. L. Nillesen

Pro-poor sewerage: solids modelling for design optimisation

M. Gormley, D. D. Mara, N. Jean and I. McDougall

Unlocking franchising to improve water services: a pilot

K. Wall, J. Bhagwan and O. Ive

Tariff structure and willingness to pay: case of Karachi

N. Ahmed

Expert perspectives on the role of the bus in school travel

J. Van Ristell, M. Enoch, M. Quddus and P. Hardy

Structures and Buildings

166, No. SB4, April 2013, 163–216

Non-linear shear analysis of reinforced concrete columns by fixed-angle theory

J.-Y. Lee, K.-H. Kim and S.-W. Kim

Assessment of vibrations induced in factories by automated guided vehicles

C.-L. Lee, Y.-P. Wang and R. K. L. Su

Effect of column base strength on steel portal frames in fire

M. Rahman, J. B. P. Lim, Y. Xu, R. Hamilton, T. Comlekci and D. Pritchard

Transport

166, No. TR2, April 2013, 63–123

HDM-4 adaptation for strategic analysis of UK local roads

J. B. Odoki, M. Anyala and E. Bunting

Multi-objective decision-aid tool for pavement management

S. Meneses, A. Ferreira and A. Collop

Road network topology vulnerability analysis and application

Y. Tu, C. Yang and X. Chen

An empirical analysis of links between transport and land use

C.-N. Li and T.-Y. Lai

Three-dimensional modelling of high speed ballasted railway tracks

M. Banimahd, P. Woodward, J. Kennedy and G. Medero

Urban Design and Planning

166, No. DP2, April 2013, 95–148

The role of infrastructure in improving human settlements

P. Parikh, H. Parikh and A. McRobie

The sustainability of new urban developments in Dubai

K. Hadjri and J. Onyango

Travel plans: a way forward?

M. Enoch and S. Ison

Potential for carfree development in the UK

S. Melia, H. Barton and G. Parkhurst

Urbanwords

R. Cowan

Waste and Resource Management

Developing countries

166, No. WR2, May 2013, 47–108

Role and size of informal sector in waste management – a review

R. Linzner and U. Lange

Social assessment of recycling systems – Peruvian case studies

S. Aparcana, R. Linzner and S. Salhofer

Integrated sustainable waste management in developing countries

D. C. Wilson, C. A. Velis and L. Rodic

Determinants of resilience in community-led waste management

C. Zurbrugg and S. Rothenberger

Water Management

166, No. WM4, April 2013, 163–216

A mixing length model for estimating channel conveyance

M. S. Horritt and N. G. Wright

Particle-tracking model of outfall plumes in a tidal channel

S. Liu and S. S. Li

Bridge pier flow field in the presence of debris accumulation

S. Pagliara and I. Carnacina

Equations for critical and normal depths of city-gate sections

J. Liu and Z. Wang

Testing of evaporation reduction methods in humid climates

M. A. Benzaghta, T. A. Mohammed, A. H. Ghazali and M. A. M. Soom

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Bridge Engineering	4	345	380	420
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Engineering History and Heritage	4	235	260	295
Engineering Sustainability	6	350	385	430
Forensic Engineering	4	240	270	300
Geotechnical Engineering	6	295	335	375
Ground Improvement	4	285	315	355
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Dams and Reservoirs	4	360	395	435
Geosynthetics International	6	590	N/A	N/A
Géotechnique	16	775	895	995
Géotechnique Letters	4	360	N/A	N/A
International Journal of Physical Modelling in Geotechnics	4	295	N/A	N/A
Magazine of Concrete Research	24	795	895	995

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