

MONITOR:ICE PROCEEDINGS

ICE Proceedings

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Bridge Engineering

166, No. BE2, June 2013, 63–140

Bridges by 'Engineers Without Borders Germany'

G. Morgenthal and S. Timmermann

Building bridges from the Foyle to Ojague

P. T. A. Donald

The challenges of humanitarian access bridges in Democratic Republic of Congo

S. Bird and T. P. Simon

Design and construction of bridges in Fiji

S. Amir-Ansari

Design and construction of Zambezi River Bridge, Mozambique

A. J. Reis, J. J. Oliveira Pedro and B. Dalili

My Thuan – Vietnam's first cable-stayed bridge

P. M. Palmer



Construction Materials

Limesnet

166, No. CM4, August 2013, 187–262

The potential for using geopolymers concrete in the UK

A. Heath, K. Paine, S. Goodhew, M. Ramage and M. Lawrence

Hygrothermal performance of bio-based insulation materials

M. Lawrence, A. Shea, P. Walker and P. De Wilde

Lightly modified bamboo for structural applications

D. J. A. Trujillo, M. Ramage and W.-S. Chang

Future use of life-cycle assessment in civil engineering

J. Glass, T. Dyer, C. Georgopoulos, C. Goodier, K. Paine, T. Parry, H. Baumann and P. Gluch

Multi-functional nano-materials for timber in construction

M. P. Ansell

Consolidation of weathered limestone using nanolime

G. L. Pesce, D. Morgan, D. Odgers, A. Henry, M. Allen and R. J. Ball

The potential of advanced textiles for fabric formwork

J. Brennan, R. Pedreschi, P. Walker and M. Ansell



Energy

Wind turbine foundations

166, No. EN3, August 2013, 91–136

Sinking failure of scour protection at wind turbine foundation

B. M. Sumer and A. W. Nielsen

Structural health monitoring for wind turbine foundations

M. Currie, M. Saafi, C. Tachtatzis and F. Quail

Analysis of grouted connections for offshore wind turbines

T. Löhning, M. Voßbeck and M. Kelm

Capacitive sensors for offshore scour monitoring

P. Michalis, M. Saafi and M. D. Judd

Offshore wind-turbine structures: a review

M. Arshad and B. C. O'Kelly



Engineering and Computational Mechanics

166, No. EM2, June 2013, 57–110

Two-dimensional multi-rockfill detention dam flow model in reservoir routing

J. M. V. Samani, M. Mokhtarian and M. Heidari

The influence of room geometry on the overturning of smoke owing to a floor fire

B. A. Giannakopoulos, N. B. Kaye and G. R. Hunt

Stress analysis without meshing: isogeometric boundary-element method

H. Lian, R. N. Simpson and S. P. A. Bordas

Gradient mechanical properties and analysis model of roller compacted concrete dam

H. Su and B. Wei



Engineering History and Heritage

166, No. EH3, August 2013, 125–186

Timber-lattice bridges on railways in the UK: 1840–1870

N. Bill

Classical writers and ancient construction works

R. H. G. Parry

Chain bridge against the icebound Danube

S. P. Vaci and J. Vignoles

How a diver saved Winchester Cathedral: and today's solution?

G. Roberts

Disaster and success: design lessons from history

D. W. O'Dwyer



Engineering Sustainability

166, No. ES4, August 2013, 109–162

Highway routine maintenance carbon dioxide emissions assessment

E. Itoya, S. G. Ison, M. W. Frost, A. El-Hamalawi and K. Hazell

Risk-based approaches to sustainability in civil engineering

K. MacAskill and P. Guthrie

A design approach for sustainable bridges – Part 1: Methodology

H. M. d. S. Gervásio and L. A. P. Simões da Silva

A design approach for sustainable bridges – Part 2: case studies

H. M. d. S. Gervásio and L. A. P. Simões da Silva



Forensic Engineering

166, No. FE3, August 2013, 105–150

Snow load damage to buildings: physical and economic impacts

K. Strobel and A. Liel

Managing the asset time bomb: a system dynamics approach

R. Thurlby

The role of professional engineers in disaster management

D. M. Broadbent and S. G. Broadbent

Investigation of water ingress to concrete basements

R. A. Barnes



Geotechnical Engineering

166, No. GE4, August 2013, 331–424

Drainage controlled uniaxial swelling cell

A. Assadi Langroudi and S. S. Yasrobi

An in situ low-pressure grouting application

U. Mutman and A. Kavak

Three-dimensional analyses of concrete piles in clayey soils

R. Z. Moayed, M. Kamalzare and A. Judi

Design, prediction and monitoring of deep fill settlement

P. Waddell

Sliding stability analysis of gravity retaining walls using the pseudo-dynamic method

M. H. Baziar, H. Shahnazari and M. Rabeti Moghadam

Potential damage assessment in buildings undergoing tilt

E. Namazi and H. Mohamad

Unexploded ordnance risk assessment on Crossrail project in London – pre-empting best practice

P. Smith, U. Lawrence, S. Terry and S. Cooke

Remoulded shear strength at plastic and semi-solid states

P. Vinod, A. Sridharan and K. A. Deepa

Chemical interactions at the concrete/clay interface due to thaumasite form of sulfate attack

R. Brueckner, S. J. Williamson and L. A. Clark



Ground Improvement

166, No. GI3, August 2013, 125–186

Addressing some current challenges in ground improvement

J. K. Mitchell and R. Kelly

Stimulated decomposition in peat for engineering applications

S. P. Pichan and P. C. O'Kelly

Shear strength of microfine cement grouted sands

I. N. Markou and A. I. Droudakis

Remediation against floatation of underground structures

S. C. Chian and S. P. G. Madabhushi

Ground improvement efficiency and back-analysis of settlements

J.-M. Debats, G. Scharff, J. Balderas and S. Melentijevic



Management, Procurement and Law

166, No. MP4, August 2013, 163–216

An investigation of construction accidents in Rwanda: perspectives from Kigali

M. Cokeham and A. Tutesigensi

The chronological approach for construction project modelling

A. Francis

Seven lessons for effective information management

A. Sheriff, D. Bouchlaghem, A. El-Hamalawi and S. Yeomans



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Maritime Engineering

River, coastal and estuarine morphodynamics
166, No. MA2, June 2013, 47–97

Large-scale morphodynamic modelling of the Gironde estuary, France
N. Huybrechts and C. Villaret

Using a sand–mud model to hindcast the morphology near Waarde, the Netherlands
G. Dam and A. J. Bliet

Modelling of the initiation and development of tidal creek networks
T. Iwasaki, Y. Shimizu and I. Kimura

Velocity and turbulence characteristics around a silt screen
T. Vu and S. Tan



Asphalt damage characterisation from cyclic test and X-ray computed tomography
R. Khan, A. C. Collop, G. D. Airey and A. N. Khan

A methodology to model the variability in pavement performance
H. Evdorides, M. Burrow and S. Sulaiman

The benefits of sustainable road management: a case study
M. Burrow, H. Evdorides, M. Wehbi and M. Savva

An introduction to asphalt pavement design in the UK
S. F. Brown

Performance of thin asphalt concrete overlays
M. S. Culfik and Y. Yildirim



Municipal Engineer

Water-sensitive urban design
166, No. ME2, June 2013, 63–146

Water-sensitive urban design: opportunities for the UK
R. Ashley, L. Lundy, S. Ward, P. Shaffer, L. Walker, C. Morgan, A. Saul, T. Wong and S. Moore

The urban water cycle approach in small development areas
J. B. Ellis, D. M. Revitt and L. Lundy

Water-sensitive urban design: learning from experience
N. Dolman, A. Savage and F. Ogunyoye

Creating a water-sensitive north-west Cambridge master plan
C. Morgan and A. Woods

Storm-water management in low-income countries
B. Reed

Design of a sand filter for highway runoff in the north of Spain
J. Suárez, V. Jiménez, H. del Río, J. Anta, A. Jácome, D. Torres, P. Ures and S. Vieito

Coupling utility performance targets with catchment management
J. I. Ezeji, I. Smout and L. Boshier

Options for improving water supply to low-income communities in Karachi
N. Ahmed



Urban Design and Planning

166, No. DP4, August 2013, 201–254

Implications of climate change for expanding cities worldwide
J. C. Hunt, Y. V. Timoshkina, S. I. Bohnenstengel and S. Belcher

Designing new transit systems using a transect-based model
N. I. Payton and A. Hawkes

District centre regeneration – a European perspective
K. Brombach, C. Simon-Philipp and D. Kurth

Evidence-based design: satellite positioning studies of city centre user groups
S. C. Van der Spek, C. M. Van Langelaar and C. C. Kickert



Waste and Resource Management

166, No. WR3, August 2013, 101–146

The gutter oil issue in China
M. Lu, Q. Tu and Y. Jin

Bringing recycled aggregate to its full potential
V. Y. W. Tam, C. Y. Lo and J. Xiao

Soil–cement bricks incorporated with eggshell waste
M. C. Amaral, F. B. Siqueira, A. Z. Destefani and J. N. F. Holanda

Design waste mapping: a project life cycle approach
M. Osmani



Structures and Buildings

166, No. SB7, July 2013, 325–378

Seismic retrofit of non-ductile reinforced concrete frames with chevron braces
R. Ozelik, B. Binici and U. Akpınar

Lateral force distribution on base-isolated structures under near-field earthquakes
F. Khoshnoudian and S. Esrafil

Dynamic versus static artificial neural network model for masonry creep deformation
A. El-Shafie and S. Aminah

Models of a standing human body in vertical vibration
T. Ji, D. Zhou and Q. Zhang



Water Management

166, No. WM7, July 2013, 355–408

Dynamic modelling of integrated water resources quality management
M. Azmi and N. Heidarzadeh

Prioritisation of micro-catchments based on morphology
K. S. Raju and D. Nagesh Kumar

Bankfull discharge and recurrence intervals in Irish rivers
S. Ahilan, J. J. O'Sullivan, M. Bruen, N. Brauders and D. Healy

Prediction of equilibrium scour time around long abutments
R. Mohammadpour, A. Ab. Ghani and H. M. Azamathulla

Scale effects of incipient cavitation for high-speed flows
J.-M. Zhang, Y.-R. Wang, Q. Yang, W.-L. Xu and P.-Z. Lin



ICE Proceedings and other journal subscription prices for 2013

Title	No. of issues	Electronic only: £	UK: £	Elsewhere by air: £
Bridge Engineering	4	345	380	420
Civil Engineering	6	160	175	200
Construction Materials	6	360	395	450
Energy	4	235	260	295
Engineering and Computational Mechanics	4	230	260	290
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
Management, Procurement and Law	6	285	315	365
Maritime Engineering	4	225	265	295
Municipal Engineer	4	155	175	200
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Transport	6	220	250	285
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Construction Law Quarterly	4	75	85	95
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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