

MONITOR:ICE PROCEEDINGS

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Bridge Engineering

Arch bridges – modern developments
166, No. BE3, September 2013, 141–228

Rapid construction of arch bridges using the innovative FlexiArch
A. Long, J. Kirkpatrick, A. Gupta, S. Nanukuttan and D. Mc Polin

Precast concrete voussoir geometry in a skewed arch bridge
J. Redpath

State-of-the-art of spatial arch bridges
M. Sarmiento-Comesias, A. M. Ruiz-Teran and A. C. Aparicio

Network arch bridges at Trinec-Baliny, Czech Republic
M. Foglar and A. Lugas

Civil Engineering Special Issue

Brazil
166, No. CE6, November 2013, 1–64

Brazil – building the country of tomorrow
L. Pannett

São Paulo building for the future freeze-frames Brazil's past
M. Franco

State of the art of steel-concrete composite structures in Brazil
S. De Nardin and A. El Debs

Rio 2016 sustainable construction commitments lead to new developments in recycled aggregate concrete
R. D. Toledo Filho, E. Koenders, M. Pepe, G. Chagas Cordeiro, E. Fairbairn and E. Martinelli

Ground improvement in soft soils in Rio de Janeiro: the case of the Athletes' Park
M. Riccio, M. Baroni and M. Almeida

Flash flood control works around the Maracanã stadium district in Rio de Janeiro, Brazil
M. Duarte, P. Fonseca and A. Ortigao

Hydrodynamic evaluation of a flood embankment in the Amazon estuary region, Brazil
C. Blanco, M. Sena, A. Mesquita, M. Filho and T. Secretan

The Rio Grande Port breakwater, Brazil: geotechnical design
F. Schnaid, G. Dienstmann, L. G. de Mello and S. Sandroni

Construction Materials

166, No. CM5, October 2013, 265–326

Granite plates as slabs in social housing in Brazil
S. T. F. Moreiras, A. B. Paraguassú and R. P. Ribeiro

Literature review of lower temperature asphalt systems
J. C. Nicholls and D. James

Cement-based bearing pads for precast concrete connections
G. H. Siqueira and M. K. El Debs

Near-surface mounted flexural strengthening of reinforced concrete beams with low concrete strength
F. Micelli and L. De Lorenzis

Use of milled waste glass in recycled aggregate concrete
R. Nassar and P. Soroushian

Aspects of the performance of different materials in earthquakes
R. T. Severn

Energy

Wind turbine foundations
166, No. EN4, November 2013, 137–198

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

Capacitive sensors for offshore scour monitoring
P. Michalis and M. Saafi

Analysis of grouted connections for offshore wind turbines
T. Löhning, M. Voßbeck and M. Kelm

Offshore wind turbine structures: a review
M. Arshad and B. C. O'Kelly

Engineering and Computational Mechanics

Blast
166, No. EM3, September 2013, 111–175

Calculation of blast loads for design against terrorism
W. Wilkinson, D. Cormie and M. Arkinstall

Clearing effects on plates subjected to blast loads
S. E. Rigby, A. Tyas, T. Bennett, J. A. Warren and S. Fay

Design of a full-scale experimental blast tunnel
D. Pope

Analysis of a protective reinforced concrete slab subject to a vehicle-borne improvised explosive device
P. J. Mullett, H. N. P. Moragaspiya and J. Ward

Engineering History and Heritage

166, No. EH4, November 2013, 187–240

Cooling mass concrete: Owyhee, Hoover, and building large dams
F. L. Quivik

Gustave Eiffel: times and aerodynamic experiments 1903–1921
S. Durant

Various perspectives on eighteenth century Languedoc bridges
C. Isaac

Leak sealing Rennie's 217-year-old Lune aqueduct
L. Clarke

Collapse of a cable-stayed road bridge in Germany in 1825
C. Birnstiel

Engineering Sustainability

Earth systems engineering
166, No. ES5, October 2013, 217–308

An earth systems engineering perspective on geoengineering
B. Allenby

Smarter urban metabolism: Earth systems re-engineering

M. B. Beck, R. Villarreal Walker and M. Thompson

Geoengineering cities to stabilise climate
J. H. Fink

Systems-of-systems analysis of national infrastructure
J. W. Hall, J. J. Henriques, A. J. Hickford and R. J. Nicholls

Forensic Engineering

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Post-tensioned structures – improved standards
G. M. Clark

Failures in mass rapid transit underground constructions in the Asia-Pacific region
R. N. Hwang, Z. C. Moh and W. F. Lee

Potential collapse of a roof structure averted by quick repair
A. Rawlska-Skotniczny, J. Zmuda and R. Jankowiak

Water, water everywhere: ingress in civil engineering projects
D. Lazarus

Railway bridge failure during flood in the UK and Ireland
J. Benn

Geotechnical Engineering

166, No. GE5, October 2013, 425–518

The strength of soil–industrial by-products–lime blends
N. C. Consoli, L. da Silva Lopes, A. Dalla Rosa and J. R. Masuero

Light-weight deflectometer for mechanistic quality control of base course materials
A. Ebrahimi and T. B. Edil

Wet winter pore pressures in railway embankments
K. M. Briggs, J. A. Smethurst, W. Powrie and A. S. O'Brien

Predicting ground movements in London Clay
N. Jurecic, L. Zdravkovic and V. Jovicic

Coupled stress–seepage analysis of Karun III concrete arch dam
A. Hosseinzadeh, M. Nobarinasab, A. Soroush and V. Lotfi

Calculation of the axial bearing capacity of tapered bored piles
K. Paik, J. Lee and D. Kim

Ground Improvement

166, No. GI4, November 2013, 187–248

Relative density correlations are not reliable criteria
B. Hamidi, S. Varaksin and H. Nikraz

Reduction of lateral loads in abutments using ground anchors
L. Truong-Hong, D. F. Laefer and K. B. Le

Variables controlling strength of fibre-reinforced cemented soils
N. C. Consoli, R. Rizzatti de Moraes and L. Festugato

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Beams on extensible geosynthetics and stone column-improved soil

P. Maheshwari and V. B. Chauhan

U-chart method for radial and 3D consolidation

S. K. Tewatia, B. K. Huat, S. Rath and K. Tewatia

Management, Procurement and Law

166, No. MP5, October 2013, 217–270

Factors that influence safety culture in construction

S. Wamuziri

A cognitive approach to trust management in construction

E. Manu, N. Ankrah, E. Chinyio and D. Proverbs

Cross-cultural leadership for global construction projects

F. M. Murata

A voluntary approach to designing for safer construction

H. Lingard and R. Wakefield

NEC contracts for design–build–operate contracts

R. L. Patterson and B. Trebes

Maritime Engineering

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Numerical simulation of wave-induced morphology evolution

T. V. Karambas, E. V. Koutandos and N. A. Kampanis

Shoreline change mapping along the coast of Galicia, Spain

A. Pérez-Alberti, A. Pires, L. Freitas and H. Chaminé

Municipal Engineer

166, No. ME3, September 2013, 147–208

Forecasting coverage and non-revenue water with Markov process

S. Mugisha

Data envelopment analysis in target setting of water utilities

S. Mugisha

Development of road infrastructure in Indonesia

J. S. Younger

Reconstructed arch bridge using a proprietary system

J. A. Gatheral

Influence of the Scottish Housing Quality Standard on planned maintenance in social housing

S. Wamuziri

Housing evaluation with web-SDSS in urban regeneration actions

E. Natividade-Jesus, J. Coutinho-Rodrigues and L. Tralhao

Structures and Buildings

166, No. SB9, October 2013, 465–518

Numerical studies on composite connections under fire

A. J. Wang

A new approach for simulation of non-Gaussian processes

J. Li and X. Wang

Influence of epoxy type in concrete beams strengthened with fibre-reinforced polymer

J. O. Andrade

Analysis of composite steel plate shear walls connected with frame beams only

L. Guo, Q. Rong, X. Ma and S. Zhang

Transport

Road safety

166, No. TR5, October 2013, 253–312

Injury severity models for motor vehicle accidents: a review

R. O. Mujalli and J. de Oña

Effect of lighting on frequency and severity of road accidents

G. Yanniss, A. Kondyli and N. Mitzalis

Modelling pedestrian crossing behaviour using Bayesian networks

R. T. Bedeley, N. O. Attah-Okine and E. Lee

Effects of traffic and road factors on motorcycling safety perception

S. Salehi, H. Hamid, S. Arintono, L. T. Hua and S. R. Davoodi

A general formulation for time-to-collision safety factor

M. Saffarzadeh, N. Nadimi, S. Naseralavi and A. R. Mamdoohi

A review of stopping sight distance in road design guidelines

N. Roussiamanis, A. Kaltsounis, S. Vardaki and G. Kanellaidis

Urban Design and Planning

166, No. DP5, October 2013, 255–308

Travel plans from the developer perspective

S. Yeates and M. Enoch

Rebalancing urban mobility: a tale of four cities

M. E. López-Lambas, M. V. Corazza, A. Monzon and A. Musso

'Build back better' principles for land-use planning

S. Mannakkara and S. Wilkinson

Introducing a method for mapping recreational experience

A. C. Lindholm, N. Dempsey and M. Burton

Waste and Resource Management

166, No. WR4, November 2013, 151–201

Mattress recycling

T. Griffiths, C. Coe, F. Fiori and I. Berry

Urban-mining of landfills

G. Armisheva, N. Sliuser and V. Korotaev

Towards inclusive waste management: participatory video as a communication tool

C. Tremblay

Thailand: steps towards integrated solid waste management

S. M. Grimes and W. Tanpoonkiat

Review of food waste prevention on an international level

F. Schneider

Water Management

166, No. WM9, October 2013, 463–515

A cellular automata approach for the hydro-power operation of multi-reservoir systems

M. H. Afshar

Anfis to estimate discharge capacity of rectangular side weir

O. Kisi, O. Bilhan and M. E. Emiroglu

Groundwater storage in adaptation to climate change

F. Baruffi, M. Bisaglia, M. Cappelletto, S. Pasini, A. Galli, V. Marsala, A. Scarinci, C. Panelli, S. Gualdi and A. Zandonella

Assessment of seawater intrusion in Langat basin, Malaysia

M. S. Nusari, M. A. M. Soom, T. A. Mohammad, A. H. Ghazali, A. Wayayok and M. A. M. Zawawi

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Engineering Sustainability	6	375	415	465
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