

Proceedings

> RECENTLY PUBLISHED PAPERS

In addition to *Civil Engineering*, the *ICE Proceedings* includes eight specialist journals. Papers published in the most recent issues are listed here. Summaries of all these and other papers published in the past 3 years can be read free on the ICE web site at www.ice.org.uk/jol.

Bridge Engineering

156, No. BE4, December 2003, 153–204

Synchronised pedestrian excitation of footbridges
T. M. Roberts

Project history of Dublin's River Liffey bridges
M. Phillips and A. Hamilton

Design and construction of the Bangladesh–UK Friendship Bridge

D. Collings, D. Mizon and P. Swift

An integral composite bridge of high skew
B. Be



Engineering Sustainability

156, No. ES4, December 2003, 173–225

BRIEFINGS

Protocols for alternative materials in construction
M. Reid

Better buildings through sustainable development
P. R. Head

PAPERS

Sustainability and the UK construction industry—a review

I. Adetunji, A. Price, P. Fleming and P. Kemp

Environmental implications of upland run-of-river hydroelectric schemes

T. L. Shaw

Treatment of wastewater for irrigation in Mauritius

G. Amblin



Geotechnical Engineering

157, No. GE2, April 2004, 55–100

BRIEFINGS

Analysis of piled stabilisation in landslides
A. Y. Chmoulian

PAPERS

Long-term pile testing in London Clay: a case study
H. Unwin and R. A. Jessop

Settlement and tilt of low-rise buildings

J. A. Charles and H. D. Skinner

Hull wastewater flow transfer tunnel: recovery of tunnel collapse by ground freezing
D. A. Brown

Interpretation of load tests on mini-piles
S.-S. Jeon

Reuse of construction waste: performance under repeated loading
V. Sivakumar, J. D. McKinley and D. Ferguson



Maritime Engineering

157, No. MA1, March 2004, 1–60

Deconstruction of the Maureen platform and loading column
P. Broughton, R. L. Davies and M. Green

Simulation of the Egyptian coastal ecosystem functions

W. Hamza, P. Ennet and R. Tamsalu

Accounting for variability in coastal prediction
D. E. Reeve

Velocity and solute concentration distributions in model harbours

J. Yin, R. A. Falconer and Y. Chen



Municipal Engineer

156, No. ME4, December 2003, 217–293

Ethics—a key issue

D. Hodgkinson and M. Sohail

BRIEFINGS

Ethics and the ICE
T. M. Ridley

PAPERS

Management decision-making—an ethical perspective

A. Stainer and L. Stainer

Decision-making models for handling ethical dilemmas

L. C. N. Fan

Accountability in the provision of urban services
S. Cavill and M. Sohail

Employment protection for whistleblowers: some implications
D. Lewis

Urban poverty: addressing the scale of the problem
D. B. Cooke and J. Kirke

Project start-up phase: the weakest link
A. Hamilton

GENERAL PAPERS

Travel patterns at two secondary schools in Ireland

N. F. Gray and D. Kelly

An analytical and experimental assessment of flexible road ironwork support structures
F. A. Mohammad, A. C. Collop and S. F. Brown

Structures and Buildings

157, No. SB1, February 2004, 1–109

Special Issue: Advanced Polymer Composites for Structural Applications in Construction

Guest Editorial



PAPERS

A code of practice for the structural design of fibre composites
S. R. Ayers and G. M. Van Erp

A novel advanced polymer composite/concrete structural element

J. A. Hulatt, L. C. Hollaway and A. Thorne

Ductility and deformability of fibre-reinforced polymer-strengthened reinforced concrete members

D. B. Tann, R. Delpak and P. Davies

Stiffness and ductility of fibre-reinforced polymer-strengthened reinforced concrete members
L. De Lorenzis, D. Galati and A. La Tegola

Cracking analysis of fibre-reinforced polymer reinforced concrete tension members
M. Aiello, M. Leone and L. Ombres

Mechanical splice of grid carbon fibre-reinforced polymer reinforcement and steel plate
K. Sekijima, T. Kuhara, S. Seki and T. Konno

Torsional retrofit of spandrel beams with composite laminates
P. R. Salom, J. Gergely and D. T. Young

Interfacial stresses in soffit-plated reinforced concrete beams
J. Yang, J. G. Teng and J. F. Chen

Mechanical/bonded joints for advanced composite structures
J. M. Lees and G. Makarov

In-service performance of glass-reinforced plastic composites in buildings
S. Halliwell



Transport

157, No. TR2, May 2004

Special Issue: Transport Planning

PAPERS

Are new rail lines right for Britain?
N. G. Harris

Transport costs and urban development: Can the new economic geography bring transport and land use planners closer together?
H. Wenban-Smith

Travel time constraints in transport policy
D. Metz

Planning for the Leeds Supertram
R. Pickup

Evaluation of a national congestion charging scheme
G. Copley and J. Dodgson



The implications of the Strategic Environmental Assessment Directive for Local Transport Plan
C. Ferrary

Applying commercial advertising skills in transport planning
P.J. Wiltshire

Water Management

157, No. WMI, March 2004, 1-62

Flooding scenarios due to levee breaking in the Po river
F. Aureli and P. Mignosa

Ladybower Dam: upgrading in a national park
A. Macdonald, S. D. R. Harwood and P. R. Vaughan

Conveyance of a managed vegetated two-stage river channel
R. H. J. Sellin and D. P. van Beesten

Flood hydrographs in open channels
W. H. Graf and Z. Qu

Simple modelling of dam failure in a natural river
F. Macchione and G. Viggiani



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STRUCTURAL EUROCODES IMPLICATIONS FOR THE UK INDUSTRY

Structural Eurocodes used for designing buildings and civil engineering structures will become mandatory for European public works and are set to become the de-facto standard for the private sector, both in Europe and worldwide. The codes currently exist in ENV form and the conversion process to BS EN is expected to be completed by 2005. The BSI national codes of practice will be withdrawn after a co-existence period of five years.

These changes will have profound implications for the UK construction industry.

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