

Elsewhere in *ICE Proceedings*

All papers published in *Transport* and the other 17 parts of the *Proceedings of the Institution of Civil Engineers* are available online from the ICE Virtual Library at www.icevirtuallibrary.com/content/journals. The two most read papers from each journal are listed here.

ICE Virtual Library is the largest online civil engineering resource in the world, containing ICE Publishing's entire published output since 1836. Summaries of all ICE Publishing journal papers, including non-*Proceedings* titles, plus full versions of last year's award-winning papers are free to download.

Subscribers to *Transport* also have free online access to full papers published in the journal and recent back issues. All other ICE Publishing journal papers can be downloaded for £15 each.

ICE members can download any *Proceedings* paper for £5 each, or up to 15 of this year's *Proceedings* papers for a single 'virtual journal' subscription of £30. Members also benefit from a free subscription to *Civil Engineering*.

If you are interested in subscribing to other *ICE Proceedings* volumes then please contact subscriptions@icepublishing.com

Bridge Engineering

Smith DA and Hendy CR (2008) Strengthening of Irwell Valley Bridge, UK. *Proceedings of the Institution of Civil Engineers – Bridge Engineering* **161(1)**: 33–43, doi: 10.1680/bren.2008.161.1.33.

Colford BR (2008) Forth Road Bridge – maintenance and remedial works. *Proceedings of the Institution of Civil Engineers – Bridge Engineering* **161(3)**: 125–132, doi: 10.1680/bren.2008.161.3.125.

Civil Engineering

Beal AN (2010) Eurocodes: the new British standards for structural design. *Proceedings of the Institution of Civil Engineers – Civil Engineering* **163(1)**: 27–34, doi: 10.1680/cien.2010.163.1.27.

Matthews R (2008) Creating Heathrow's new eye in the sky. *Proceedings of the Institution of Civil Engineers – Civil Engineering* **161(2)**: 66–76, doi: 10.1680/cien.2008.161.2.66.

Construction Materials

Nicholls JC, Carswell I, Widyatmoko I, Elliott RC, Harris J and Taylor R (2008) *Recycling surfacing materials back into thin surfacing systems*. *Proceedings of the Institution of Civil Engineers – Construction Materials* **161(3)**: 105–112, doi: 10.1680/coma.2008.161.3.105.

Bungey JH (2010) Briefing: New materials – some recent research. *Proceedings of the Institution of Civil Engineers – Construction Materials* **163(1)**: 3–5, doi: 10.1680/coma.2010.163.1.3.

Energy

Ko J and Fenner R (2007) Adoption of energy efficiency innovations in new UK housing. *Proceedings of the Institution of*

Civil Engineers – Energy **160(4)**: 151–163, doi: 10.1680/ener.2007.160.4.151.

Gibbins J, Beaudet A, Chalmers H and Lamperth M (2007) Electric vehicles for low-carbon transport. *Proceedings of the Institution of Civil Engineers – Energy* **160(4)**: 165–173, doi: 10.1680/ener.2007.160.4.165.

Engineering and Computational Mechanics

Vardy AE (2008) Generation and alleviation of sonic booms from rail tunnels. *Proceedings of the Institution of Civil Engineers – Engineering and Computational Mechanics* **161(3)**: 107–119, doi: 10.1680/eacm.2008.161.3.107.

Knight DW and Tang X (2008) Generation and alleviation of sonic booms from rail tunnels. *Proceedings of the Institution of Civil Engineers – Engineering and Computational Mechanics* **161(2)**: 59–68, doi: 10.1680/eacm.2008.161.2.59.

Engineering History and Heritage

Wermiel SE (2009) Introduction of steel columns in US buildings, 1862–1920. *Proceedings of the Institution of Civil Engineers – Engineering History and Heritage* **162(1)**: 19–27, doi: 10.1680/ehh.2009.162.1.19.

Bradford W, Bridgeman J and Gaterell M (2010) A review of the 1892 water demand forecast for Birmingham. *Proceedings of the Institution of Civil Engineers – Engineering History and Heritage* **163(1)**: 39–49, doi: 10.1680/ehah.2010.163.1.39.

Engineering Sustainability

Shirley Smith C and Butler B (2008) Water management at BedZED: some lessons. *Proceedings of the*

Institution of Civil Engineers – Engineering Sustainability **161(2)**: 113–122, doi: 10.1680/ensu.2008.161.2.113.

Elghali L, Clift R, Begg KG and McLaren S (2008) Decision support methodology for complex contexts. *Proceedings of the Institution of Civil Engineers – Engineering Sustainability* **161(1)**: 7–22, doi: 10.1680/ensu.2008.161.1.7.

Geotechnical Engineering

Poulos HG (2008) A practical design approach for piles with negative friction. *Proceedings of the Institution of Civil Engineers – Geotechnical Engineering* **161(1)**: 19–27, doi: 10.1680/geng.2008.161.1.19.

Jones BD, Thomas AH, Hsu YS and Hilar M (2008) Evaluation of innovative sprayed-concrete-lined tunnelling. *Proceedings of the Institution of Civil Engineers – Geotechnical Engineering* **161(3)**: 137–149, doi: 10.1680/geng.2008.161.3.137.

Ground Improvement

Rattley MJ, Lehane BM, Consoli N and Richards DJ (2008) Uplift of shallow foundations with cement-stabilised backfill. *Proceedings of the Institution of Civil Engineers – Ground Improvement* **161(2)**: 103–110, doi: 10.1680/grim.2008.161.2.103.

Arulrajah A, Abdullah A, Bo MW and Bouazza A (2009) Ground improvement techniques for railway embankments. *Proceedings of the Institution of Civil Engineers – Ground Improvement* **162(1)**: 3–14, doi: 10.1680/grim.2009.162.1.3.

Management, Procurement and Law

Barr B (2008) UK civil engineering education in the twenty-first century. *Proceedings of the Institution of Civil Engineers – Management, Procurement and Law* **161(1)**: 17–23, doi: 10.1680/mpal.2008.161.1.17.

Patterson R (2009) Using NEC contracts to manage risk and

avoid disputes. *Proceedings of the Institution of Civil Engineers – Management, Procurement and Law* **162(4)**: 157–167, doi: 10.1680/mpal.2009.162.4.157.

Maritime Engineering

Díaz Rato JL, Moyano Retamero J and de Miguel Riestra M (2008) Extension to the port of Gijón, Spain. *Proceedings of the Institution of Civil Engineers – Maritime Engineering* **161(4)**: 153–174, doi: 10.1680/maen.2008.161.4.153.

Townend IH (2008) Breach design for managed realignment sites. *Proceedings of the Institution of Civil Engineers – Maritime Engineering* **161(1)**: 9–21, doi: 10.1680/maen.2008.161.1.9

Municipal Engineer

Fisher J (2008) Women in water supply, sanitation and hygiene programmes. *Proceedings of the Institution of Civil Engineers – Municipal Engineer* **161(4)**: 223–229, doi: 10.1680/muen.2008.161.4.223.

Champion C, Robinson M and Buchan N (2008) *Global issues in public works and municipal engineering*. *Proceedings of the Institution of Civil Engineers – Municipal Engineer* **161(4)**: 215–221, doi: 10.1680/muen.2008.161.4.215.

Structures and Buildings

Gardner L (2008) The continuous strength method. *Proceedings of the Institution of Civil Engineers – Structures and Buildings* **161(3)**: 127–133, doi: 10.1680/stbu.2008.161.3.127.

Heyman J (2010) Design of a simple steel truss. *Proceedings of the Institution of Civil Engineers – Structures and Buildings* **163(1)**: 53–56, doi: 10.1680/stbu.2009.163.1.53.

Transport

Biggam G and Jayawardena H (2008) Brixton station congestion relief project, London. *Proceedings of the Institution of Civil*

Engineers – Transport **161(1)**: 3–13, doi: 10.1680/tran.2008.161.1.3.

Ison S, Hughes G and Tuckwell R (2008) Cambridge's experience of road user charging: lessons learned. *Proceedings of the Institution of Civil Engineers – Transport* **161(3)**: 135–141, doi: 10.1680/tran.2008.161.3.135.

Urban Design and Planning

Campbell K (2010) Briefing: Making massive small change. *Proceedings of the Institution of Civil Engineers – Urban Design and Planning* **163(1)**: 3–6, doi: 10.1680/udap.2010.163.1.3.

Coaffee J, Boshier L (2008) Integrating counter-terrorist resilience into sustainability. *Proceedings of the Institution of Civil Engineers – Urban Design and Planning* **161(2)**: 75–83, doi: 10.1680/udap.2008.161.2.75.

Waste and Resource Management

J. Ravetz (2008) Resource flow analysis for sustainable construction: metrics for an integrated supply chain approach. *Proceedings of the Institution of Civil Engineers – Waste and Resource Management* **161(2)**: 51–66, doi: 10.1680/warm.2008.161.2.51.

Ivanova LK, Richards DJ and Smallman DJ (2008) The long-term settlement of landfill waste. *Proceedings of the Institution of Civil Engineers – Waste and Resource Management* **161(3)**: 121–133, doi: 10.1680/warm.2008.161.3.121.

Water Management

Shvidchenko AB and Pender G (2008) *Computer modelling of graded sediments in rivers*. *Proceedings of the Institution of Civil Engineers – Water Management* **161(5)**: 289–297, doi: 10.1680/wama.2008.161.5.289.

Bates PD (2008) *Benchmarking 2D hydraulic models for urban flooding*. *Proceedings of the Institution of Civil Engineers – Water Management* **161(1)**: 13–30, doi: 10.1680/wama.2008.161.1.13.