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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, Lehan 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, Bosher 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.