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### Books, Standards & Reports for loan

ASCE (2017) *ASCE/SEI7-16: Minimum design loads and associated criteria for buildings and other structures [Provisions & Commentary]*. [E-book] Reston, VA: ASCE. [Available in the E-Library at <https://www.istructe.org/resources-centre/library/e-library>]

Barton, Nicholas & Myers, Stephen (2017) *The lost rivers of London. Their effects upon London and Londoners, and those of London and Londoners upon them. Revised and extended edition*. 3rd ed. Whitstable: Historical Publications Ltd.

BSI (2013) *BS 8582:2013: Code of practice for surface water management for development sites*. London: BSI.

BSI (2016) *BS EN 16623:2015 - Paints and varnishes - Reactive coatings for fire protection of metallic substrates - Definitions, requirements, characteristics and marking [Incorporating corrigendum March 2016]*. London: BSI.

Chappell, David (2018) *Understanding JCT standard building contracts*. 10th ed. Abingdon: Routledge. (Understanding Construction Series).

Franklin, Geraint (2017) *Howell, Killick, Partridge & Amis*. Swindon: Historic England. (Twentieth Century Architects).

Herzog, Thomas, Krippner, Roland & Lang, Werner (2017) *Facade construction manual*. 2nd edn. Munich: DETAIL Business Information GmbH. (Edition Detail). [English translation of the second, revised and expanded German Edition (2016)]

ICE (2017) *In plain sight: reducing the risk of infrastructure failure. An interim report*. London: ICE. [Available online at <https://www.ice.org.uk/news-and-insight/policy/in-plain-sight-reducing-the-risk-of-infrastructure>]

Littlefair, Paul (2017) *Retrofitting solar shading*. St Albans: IHS Markit. (BRE Information Paper, IP3/17).

Littlefair, Paul (2017) *Control of solar shading*. St Albans: IHS Markit. (BRE Information Paper, IP4/17).

Tatiya, Ratan (2017) *Civil excavations and tunnelling: a practical guide*. 2nd ed. London: ICE Publishing.

Temporary Works Forum (2017) *Principles for the management of temporary loads, temporary conditions and temporary works during the construction process*. London: Temporary Works Forum. [Available online at <https://www.twforum.org.uk/publications/public-twf-documents/>]

### **Selected Journal Articles**

**Journals are not available for loan but articles may be supplied under the terms of our CLA licence.**

#### **Bridges**

Abbas, T., Kavrakov, I. and Morgenthal, G. (2017) 'Methods for flutter stability analysis of long-span bridges: a review', *Proceedings of the Institution of Civil Engineers: Bridge engineering*. 171 (BE4), pp. 271-310.

Biana, I. (2017) 'Rehabilitation of Old Flatts Bridge, UK', *Proceedings of the Institution of Civil Engineers: Engineering history and heritage*. 170 (EH4), pp. 166-177.

'Double dare [New Sarah Mildred Long Bridge over Piscataqua River]', *Bridge design and engineering*. (2017) 89, Fourth Quarter, pp. 28-31.

Dutton, A. (2017) 'Clarence Bridge, Regent's Park, London, UK: the assessment and repair of a wrought iron lattice bridge', *Proceedings of the Institution of Civil Engineers: Engineering history and heritage*. 170 (EH4), pp. 189-196.

Greene, L. (2017) 'Bridging the gap - Maputo's newest monument [Maputo-Catembe Bridge, Mozambique]', *Civil engineering (South Africa)*. 25 (9), pp. 38-44.

Harvey, B. and Harvey, H. (2017) 'On the service behaviour of masonry viaducts', *Proceedings of the Institution of Civil Engineers: Bridge engineering*. 171 (BE4), pp. 248-254.

Miebach, F. (2017) 'Timber topping [New timber bridge for pedestrians and cyclists, Neckartenzlingen, Germany]', *Bridge design and engineering*. 89, Fourth Quarter, pp. 42-44.

Russell, H. (2017) 'All change [3d printed bridge design at MX3D]', *Bridge design and engineering*. 89, Fourth Quarter, pp. 36-39.

Yousefpour, H. et al. (2017) 'Innovative precast, prestressed concrete network arches: elastic response during construction', *Structural concrete: journal of the FIB*. 18 (5), pp. 768-780.

#### **Buildings**

Akbari, R. and Rafiei, Y. (2017) 'Iranian 'staircase' villages: structural and seismic issues', *Proceedings of the Institution of Civil Engineers: Municipal engineer*. 170 (ME4), pp. 189-204.

Astbury, J. (2017) 'Building Study. Foster ramps it up [Bloomberg Headquarters]', *The Architects' journal (AJ)*. 244 (22), pp. 20-36.

Astbury, J. (2017) 'Building study. Grist to the mill [Restoration of a Modernist house, a disused granary and redundant windmill]', *The Architects' journal (AJ)*. 244 (22), pp. 54-66.

Brown, N. and Allan-Stubbs, S. (2017) 'Off-site hybrid concrete construction drives the Avenue MSCP (Multi-storey car park), Bracknell', *Concrete*. 51 (9), pp. 18-21.

Lane, T. (2017) 'Sacred wood [Cambridge Mosque]', *Building*. 17 Nov 2017, pp. 74-77.

Newell, S. and Goggins, J. (2017) 'Real-time monitoring of concrete-lattice-girder slabs during construction [Human Biology Building, National University of Ireland Galway]', *Proceedings of the Institution of Civil Engineers: Structures and buildings*. 170 (SB12), pp. 885-900.

Schmid, H. and Doppler, W. (2017) 'Birds and glass facades - a conflict and its solution', *Detail: review of architecture and construction details [English edition]*. 06/17, pp. 56-61.

Scoppie, A. (2017) 'Ilkeston railway station, Derbyshire', *Concrete*. 51 (9), pp. 52-54.

Schunmann, D. (2017) 'Shielding Interserve's concrete cancer killer [NHS proton beam therapy centres]', *Construction news*. Fri 17 Nov (7500), p. 26.

'University building in Copenhagen [Maersk Tower]', *Detail: review of architecture and construction details [English edition]*. (2017) 06/17, pp. 20-27.

#### Failures / Safety

McIntyre, F. (2017) 'Reduced to rubble. Where engineers to blame for the spillway failure at California's Oroville Dam?', *New civil engineer (NCE)*. December, pp. 36-39.

Parker, D. (2017) 'Dutch lesson. Root cause analysis of Dutch car park collapse warns of solar gains [Car park collapse at Eindhoven Airport]', *New civil engineer (NCE)*. December, pp. 40-43.

Parker, D. (2017) 'Early warning. Should CROSS confidential reporting scheme be expanded?', *New civil engineer (NCE)*. December, pp. 32-34.

Pitcher, G. (2017) 'Fighting failures: vital new guidance on temporary works collapses', *New civil engineer (NCE)*. December, pp. 44&48.

Wynne, A. (2017) 'What is the role of engineers in flagging safety risks?', *New civil engineer (NCE)*. December, pp. 26-30.