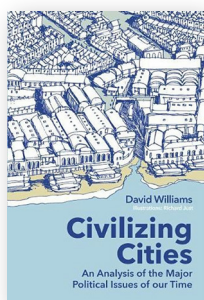


Books

REVIEWS

Civilizing cities

by David Williams,
published by Arena
Books, 2021,
£18.99, reviewed
by **Andrew
Stotesbury**,
Lendlease, London,
UK



This book is so much more than just about urban planning: it should be essential reading for all councillors and council officers involved in the planning processes.

I recently found myself in a core team of local activists trying to amend a major development in London's suburbs because the process appeared to be loaded in favour of the developer, which seemed to have infatuated the council with its vision. In this book, the author takes the reader on a journey that includes how and why this might have happened.

The book is a travel guide, reference and a history book. It is also a protest and a warning on how the built environment is being manipulated – which struck a chord with my recent experience. So, not only is this essential reading for the establishment, it is also a great read for any group actively facing an unacceptable development and anyone with an interest in the built environment.

the multiple forms of contracts currently in use in the building sector and their respective positives and negatives. It then argues for a wider uptake of the NEC4 forms of contract over traditional Joint Contracts Tribunal (JCT) and International Federation of Consulting Engineers (Fidic) contracts.

The book is an excellent place to start for anyone wanting to understand the nuances of each form. It also provides effective examples of how the mechanisms of NEC4 can mitigate common issues on site through practical examples.

Overall, this is a working text and a great companion to any project manager, engineer or designer who needs support in the transition to NEC4 contracts in the building sector, including using the suite for the first time.

Modern construction management (8th edition)

by Frank Harris, Ronald McCaffer, Andrew Baldwin and Francis Edum-Fotwe, published by Wiley, 2021, £44.95, reviewed by **Sarah Melville-Crowe**, RAF (Ministry of Defence), UK



This latest edition is a comprehensive and much updated textbook, giving practical examples and self-learning exercises to enhance and consolidate knowledge.

It provides in-depth up-to-date information for professionals who wish to keep abreast of the management issues that have evolved since their time at university. It is also a great source of information for those involved in academia, whether as undergraduate, in further research or lecturing.

NEC4: a guide for better delivery of projects in the building sector

by Kelvin Hughes,
ICE Publishing,
2021, £55, reviewed
by **Alex Heward**,
Laing O'Rourke, UK

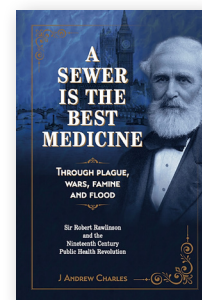


This guide is an informative text, providing the reader with an insight into

I found the book structured with well-defined sections and information easy to locate. A minor disappointment was the lack of coloured diagrams which would have made some information easier to assimilate. Perhaps this can be included in the next edition which, with the fast pace that construction management is evolving, should not be too far in the future.

A sewer is the best medicine – through plague, wars, famine and flood

by Andrew Charles, published by Bannister Publications, 2022, £12.99, reviewed by **Sarah Melville-Crowe**, RAF (Ministry of Defence), UK



This self-published book follows the life and works of Robert Rawlinson (1810–1898). He became, according to the author, the, 'acknowledged leader of the revolution in public health engineering and transformed the lives, and particularly the life expectancy, of English people.'

It is a bold claim to anyone without prior knowledge of Rawlinson but, after reading this book, I believe it is entirely valid. The author gives extraordinary insight into the trials and tribulations of the time and the major contributions Rawlinson made to improvements in sanitary conditions and public health engineering, not without much opposition and mockery.

It is an engaging and informative read, extremely well written and a must for those with an interest in public health, engineering or even history.

MONITOR Books

NEW BOOKS

The ICE Library maintains one of the most comprehensive collections of civil engineering books in the world, including all titles from ICE Publishing (shown in bold below). New books acquired in the past 3 months include the following (* indicates e-book only).

A contractor's guide to planning, scheduling, and control	L Holm	£70.00
A sewer is the best medicine: through plague, wars, famine and flood. Sir Robert Rawlinson and the 19th century public health revolution	J Charles	£12.99
Advances in soil liquefaction engineering*	Y Tsukamoto and K Ishihara	£109.99
Advances in sustainable materials and resilient infrastructure*	K Reddy <i>et al.</i> (eds)	£139.99
Advances in the toxicity of construction and building materials	F Pacheco-Torgal <i>et al.</i> (eds)	£185.00
Automation and robotics in the architecture, engineering, and construction industry*	H Jebelli <i>et al.</i> (eds)	£149.99
Behaviour of building structures subjected to progressive collapse	S Kang <i>et al.</i>	£135.00
Collaborations in architecture and engineering (2nd ed.)	S Namara and C Olsen	£29.99
Concise guide to reinforced concrete design to Eurocode 2	P Purcell	£45.00
Concrete structures subjected to impact and blast loadings and their combinations*	C Zhang and G Gholipour	£74.99
Conserving stone heritage*	F Gherardi and P Maravelaki (eds)	£119.99
Construction technology of large diameter underwater shield tunnel*	J Chen <i>et al.</i>	£109.99
Crossrail project: infrastructure design and construction – volume 6	R Williams and S Bennett (eds)	£80.00
Design of structural elements: concrete, steelwork, masonry and timber designs to British Standards and Eurocodes (4th ed.)	C Arya	£42.99
Engineered bamboo structures*	Y Xiao	£89.99
Examples for the seismic design of steel and concrete buildings to Eurocode 8	C Georgopoulos and K H Kong	£75.00
FIDIC Green Book: a companion to the 2021 short form of contract	J Sorensen	£50.00
Flood handbook: analysis and modeling*	S Eslamian and F Eslamian	£155.00
Flood handbook: impacts and management*	S Eslamian and F Eslamian	£155.00
Flood handbook: principles and applications*	S Eslamian and F Eslamian	£155.00
Hydraulic and hydrologic engineering: fundamentals and applications*	Z Samani	£74.99
ICE Manual of bridge engineering (3rd ed.)	G Parke and N Hewson (eds.)	£250.00
Industry 4.0 solutions for building design and construction: a paradigm of new opportunities	F Rahimian	£45.99
Innovation in construction: a practical guide to transforming the construction industry*	S Ghaffar <i>et al.</i> (eds)	£119.99
Microalgae building enclosures: design and engineering principles	K Kim	£29.99
Mix-design and application of hydraulic grouts for masonry strengthening*	A Miltiadou-Fezans and T Tassios	£109.99
Nanotechnology for smart concrete	G Huseien <i>et al.</i>	£99.99
Practical management for the digital age: an introduction for engineers, scientists, and related disciplines	M Baumers and J Dominy	£74.99
Professionalism at work	R Brindley	£25.00
Quality control and assurance of the deep mixing method*	M Kitazume	£79.99
Recent developments in structural health monitoring and assessment	A Al-Hussein and A Haldar (eds.)	£120.00
Reliability-based design in soil and rock engineering	B Low	£140.00
Risk, reliability and sustainable remediation in the field of civil and environmental engineering	T Roshni <i>et al.</i> (eds)	£135.00
Rock-filled concrete dam*	F Jin and D Huang	£119.99
Rules of thumb for water and wastewater engineers*	M Toghræi	£100.00
Shell structures: theory and application*	M Gohnert	£64.99
Smart buildings digitalization*	O Gnana Swathika <i>et al.</i> (eds)	£120.00
Sustainable construction: green building design and delivery (5th ed.)	C Kibert	£80.00
The BSRIA Blue book 2022*	BSRIA	£25.00
UK Specification for ground investigation (3rd ed.)	AGS	£75.00
Women in infrastructure	P Layne and J Tietjen (eds.)	£89.99

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