



Dr Neil Carhart
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Lecturer

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Summary

Biography

My research looks at the planning and management of infrastructure systems within the built environment. This includes the application of tools and techniques from the domains of Systems Thinking and Systems Engineering to improve resilience, sustainability and the ways in which infrastructure facilities well-being.

Teaching

I am Unit Director for:

- Civil Engineering Systems 4
- Sustainable Systems 4

I also co-designed the Bristol Futures open online course in [Innovation and Enterprise](#).

Memberships

Organisations

[Department of Civil Engineering](#)

Other sites

- [Engineering](#)

Recent publications

- Carhart, NJ & Farrand, L, 2019, '[Using System Archetypes to identify safety behaviours within the Malaysian construction industry](#)'. *Safety and Reliability*.
- Carhart, N & Rosenberg, G, 2019, '[Co-Creating a City Scale Digital Strategy: Framework and Transferable Lessons for Cities and Towns](#)'. *Cities*.
- Carhart, N, Rosenberg, G & Coraggio, E, 2019, '[Digital Strategies Forum for Smarter UK Cities and Towns: Workshop Report](#)'.
- Rosenberg, G, Carhart, N, Manchester, H, Grant, L, Hatleskog, E, Coraggio, E, Kumar, V & Nepomuceno, D, 2019, '[Bristol City's Future and the Role of Digital: Workshop Report](#)'.
- Rosenberg, G, Carhart, N, Manchester, H & Grant, L, 2019, '[Co-Creating a City Scale Digital Strategy and Framework: A Systems and Co-Production Approach](#)'.
- Taylor, C, Crick, RD, Huang, S, Davies, R & Carhart, N, 2017, '[Learning Frameworks for Future Infrastructure Provision](#)', pp. 386-392

- Taylor, R, May, J, Weyman, A & Carhart, N, 2017, '[Understanding organisational and cultural precursors to events](#)'. *Proceedings of the ICE - Forensic Engineering*, vol 170., pp. 124-133
- Taylor, R, Carhart, N, May, J & van Wijk, L, 2016, '[Managing the Organizational and Cultural Precursors to Major Events — Recognising and Addressing Complexity](#)'.
- Carhart, N, Beigi, S, Ersoy, A & Taylor, C, 2016, '[Evidence for the value of a systemic approach to infrastructure delivery](#)'.
- Carhart, N, Bouch, C, Walsh, C & Dolan, T, 2016, '[Applying a new concept for strategic performance indicators](#)'. *Infrastructure Asset Management*, vol 3., pp. 143-153

[View complete publications list](#) in the University of Bristol publications system

Courses

Dr Carhart currently teaches 2 courses: