



Professor David Blockley

B.Eng., Ph.D.(Sheff.), D.Sc.(Bristol), F.R.Eng., F.I.Struct.E., F.I.C.E.

Emeritus Professor of Civil Engineering

Office Tower View
Queen's Building,
University Walk, Clifton BS8 1TR
([See a map](#))

+44 (0) 117 331 5748
d.blockley@bristol.ac.uk

Summary

My work is developing and using systems thinking to help manage the inevitable uncertainty in any engineering project. There is an urgent need to improve our understanding and our ability to identify and control the technical 'hard systems' risks that are embedded in human and organisational 'soft system' risks. We need to do this to manage change and to prevent harm to people and our environment and to create opportunities. We have to find ways of learning better from our collective experience and combat organisational 'silos'. The theme of systems thinking is integration

Memberships

Organisations

[Department of Civil Engineering](#)

Other sites

- [Civilengineering](#)

Recent publications

- Liu, M, Agarwal, J & Blockley, DI, 2016, '[Vulnerability of road networks](#)'. *Civil Engineering and Environmental Systems*, vol 33., pp. 147-175
- Blockley, D, Agarwal, J & Godfrey, P, 2012, '[Infrastructure resilience for high-impact low-chance risks](#)'. *Proceedings of the ICE - Civil Engineering*, vol 165., pp. 13-19
- Blockley, D, Agarwal, J & Godfrey, P, 2012, '[Resilience for high impact low chance risks](#)'. *ICE Journal*, vol 165., pp. pages13 ?19
- Blockley, DI, 2012, '[Engineering A Very Short Introduction](#)'. Oxford University Press
- Agarwal, J, Liu, M & Blockley, D, 2011, '[A systems approach to vulnerability assessment](#)'. in: B M Ayyub (eds) *Unknown*.
- Blockley, D, 2011, '[Engineering safety](#)'. *Proceedings of the ICE - Forensic Engineering*, vol 164 Issue FE1., pp. 7 - 13
- Blockley, DI, 2010, '[The importance of being process](#)'. *Civil Engineering and Environmental Systems*, vol 27., pp. 189-199
- Blockley, D & Dias, P, 2010, '[Managing conflict through ethics](#)'. *Civil Engineering and Environmental Systems*, vol 27., pp. 255 - 262
- Blockley, D, 2010, '[Bridges - the science and art of the world's most inspiring structures](#)'. Oxford University Press
- Blockley, D, 2009, '[Uncertainty - Prediction or Control](#)'. *International Journal Engineering under Uncertainty*, vol 1., pp. 73 - 80

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