



Stuart Matthews B Eng, PhD, CEng, CSci, CWEM, FICE, FStructE, MCIWEM: Biographical Notes /Short CV

**BRE Associate and
Independent consultant,**

Formerly: Chief Engineer Construction, BRE

Previously: Director of the Centre for Concrete Construction, BRE

Notable professional / institutional roles

- **Convenor of *fib* Task Group 10.1 preparing *fib* Model Code 2020 [*fib* = Fédération Internationale du Béton]**
- **Past chairman of *fib* Commission 3: *Existing Concrete Structures***
- **Past chairman of *fib* Commission 5: *Structural Service Life Aspects***
- **Past chairman of *fib* Special Activity Group 7: *Existing Concrete Structures***
- **Member of IStructE Task Group which updated the Institution of Structural Engineers document “*Appraisal of Existing Structures*”**

Awards

- **Institution of Structural Engineers’ Clancy Prize 2013 and Medal**
- ***fib* Medal of Merit 2016,**
- **Received Honorary Membership of *fibUK* in September 2017**

Stuart is a chartered civil & structural engineer and also a chartered scientist. Has experience in the fields of civil engineering and building, structural service life assessment, non-destructive testing & investigation, as well as the deterioration, repair, rehabilitation, maintenance and structural strengthening measures to extend the useful life and durability of concrete structures. Stuart joined BRE in 1992.

Stuart has produced a number of publications on various topics, including.

- *Design of durable concrete structures*, BRE Book FB70, Sep 2014
- Chapter 5 & 9 of the five-volume *fib* Structural Concrete Textbook, 2nd edition:
 - Chapter 5: *Design of durable concrete structures* (*fib* Bulletin 53; 2010) &
 - Chapter 9: *Through-life care and management of concrete structures - Assessment, protection, repair and strengthening* (*fib* Bulletin 62; 2012)
- Acting as a contributing author to “*fib* Model Code 2010”, in particular of *Chapter 9: Conservation*
- Matthews SL and Reeves B, “*Handbook on the assessment of large panel systems (LPS) dwelling blocks for accidental loading*”, BRE Report 511, 2012

- Contributing author to the Institution of Structural Engineer's document "*Appraisal of existing structures*", 2010.

He is also / has been a member of a number of national and international technical committees (*fib*, ISO etc) working in these areas. Some of his roles are listed above.

Stuart also undertakes consultancy & expert witness commissions and has made various forensic & accident investigations (including structural collapses).

He has previously worked within the UK water industry, for a specialist testing house, for an international consulting firm and a UK building contractor.