

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

**BRE Associate, formerly Chief Engineer Construction, BRE**  
**Previously: Director of the Centre for Concrete Construction, BRE**

- **Convenor of *fib* (Fédération Internationale du Béton) Task Group 10.1 preparing *fib* Model Code 2020**
- **Chair of *fib* Commission 3: *Existing Concrete Structures***
- **Past chairman of *fib* Commission 5: “*Structural Service Life Aspects*”**

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.

He received the **Institution of Structural Engineers’ Clancy Prize 2013** and the ***fib* Medal of Merit 2016**

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 5 volume *fib* Structural Concrete Textbook, 2<sup>nd</sup> 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. His roles have included:

Convenor of the *fib* (Fédération Internationale du Béton) Task Group 10.1 preparing Model Code 2020

Chair of *fib* Commission 3: *Existing Concrete Structures*

Past chairman of the then *fib* Commission 5: “*Structural Service Life Aspects*”

Member of Task Group which updated the Institution of Structural Engineers document “*Appraisal of Existing Structures*”

Stuart also undertakes consultancy & expert witness commissions and has made various forensic, fire & 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.