

Donna Cowan (BSc PhD MIPEM MIET C.Sci)

Consultant Clinical Scientist

Head of Rehabilitation Engineering & Outpatients

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Qualifications

- 1990 PhD Biomedical Engineering. Kings College, University of London.
- 1983 BSc(Hons) Electrical & Electronic Engineering. University of Nottingham
- 1991 MIET (Member of Institute of Engineering and Technology)
- 1995 MIPEM (Corporate Member of Institute of Physics and Engineering in Medicine)
- 1995 C.Sci (Chartered Scientist). State Registered (HCPC reg no CS00475)

Research Interests

Current interests are in the field of assistive technology and complex disability. I am an engineer specialising in the assessment and provision of electronic assistive technology such as alternative access to computers, communication aids and powered mobility. I lead a department which designs and manufactures a range of assistive technologies including posture management equipment. I take part in a number of professional activities associated with the provision of equipment to people with disability including trustee of the charity FAST (Foundation for Assistive Technology) and the organising committee for the annual national RAATE meeting (Recent Advances in Assistive Technology and Engineering).

Recent publications

Cowan D, Rogers J, Najafi L, Panthi F, Wade W, Lievesley R, Adam T and Long D (2014) Electronic Assistive Technology. In: Eds A Taktak, P Ganney, D Long, P White. *Clinical Engineering: a handbook for clinical and biomedical engineers*. Academic Press. pp 359-388.

Cowan D, Smith M, Gardiner V, Horwood P, Morris C, Holsgrove T, Mayhew T, Long D and Hillman M (2014) Mechanical and Electromechanical Devices. In: Eds A Taktak, P Ganney, D Long, P White. *Clinical Engineering: a handbook for clinical and biomedical engineers*. Academic Press. pp 407-432.

Cowan D and Judge S (2014) Recent advances in assistive technology and engineering (RAATE) – a UK perspective. *Disabil Rehabil Assist Technol*. 9 (1) 31-32.

Wintergold A, Pountney T & Cowan D. (2008) The use of standing supports for children with disabilities. *APCP Journal* 126: 13 – 21.

Cowan DM, Wintergold A (2007) Assistive Technology in Physiotherapy for Children. Ed T Pountney, Elsevier Press.

Cowan DM and Khan Y. (2005) Assistive technology for children with complex disabilities. *Current Paediatrics* 15 (3): 207-212.