

Graeme Marsh

CV

PRINCIPAL PROFESSIONAL SPECIALISMS

Electronic Assistive Technology

QUALIFICATIONS & ACCREDITATION

- Incorporated Engineer (IEng) – Engineering Council, London.
- Registered Clinical Technologist (RCT) – Professional Standards Authority.
- Registered Scientist (RSci) – Science Council.
- HNC, Mechanical and Production Engineering – South Tyneside Marine College.
- Rehabilitation Engineering (Foundation Course) – CoRE, Kings College Hospital, London
- Postural Management and Mobility – Active Design Ltd/Chailey Heritage.
- Prosthetics and Orthotics within the field Rehabilitation Engineering – University College, Salford, Manchester.
- Medical Technical Officer (In Service Training Scheme, including DOH Training Manual for Rehabilitation Engineers) – Regional Medical Physics Department, Newcastle General Hospital
- City & Guilds of London Institute – Computer Aided Design, Manufacture and Programming, Mechanical Engineering (various), Electronic Principles.

PAST & PRESENT POSITIONS

Service/Clinical Lead, Regional Electronic Assistive Technology (EAT Services), Neurological Services, Special Care Group, Northumberland, Tyne & Wear NHS Foundation Trust, present.

14 years' experience specialising in Electronic Assistive Technology and respective service provision. 11 years with the Bioengineering Discipline within the Regional Medical Physics Department (i.e. two years' experience as Senior Rehabilitation.

Engineer and nine years' experience as Rehabilitation Engineer to District Health Authorities - Northern region).

Three years experience as Medical Physics Technician, Regional Medical Physics Department.

10 years' experience as Mechanical/Electromechanical Engineer, Marconi Radar Systems Limited.

MEMBERSHIPS OF PROFESSIONAL ORGANISATIONS

Member of the Institute of Engineering and Technology (MIET)

Member of the Institute of Physics and Engineering in Medicine (MIPeM)

Northern Senate member of the Clinical Reference Group (Specialist Services EAT equipment provision, Complex Physical Disabilities – NHS England)

Member of the National Rehabilitation Engineering Managers Group (RESMaG)

SPECIAL INTERESTS

- Environmental Control Systems (ECS).
- The general field of Electronic Assistive Technology (EAT).
- Postural Management – design, manufacture and prescription of bespoke and commercial special seating systems, manual/powering wheelchairs and their adaptations.

EXPERT WITNESS EXPERIENCE

I have prior expert witness experience in medicolegal cases.

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ACADEMIC INTERESTS

Involved in ongoing design of new technologies in collaboration with manufacturer / contractors within specialist field and implementation of subsequent field trials.

Member of NHS Supply Chain Task Force in the development and monitoring of the National Framework Agreement specific to "Electronic Assistive Technology" services and provision.

Northern Senate Member of the Clinical Reference Group (Specialist Services EAT equipment provision, Complex Physical Disabilities – NHS England).
I have extensive engineering experience which initially commenced working for a company specialising in the provision of Hi-Tech equipment for the Ministry of Defence.

Throughout my extensive training and progressive development, and, prior to leaving this position, I was involved in the development of mechanical/electromechanical projects specific to this subject area.

I then took up a position within the Regional Medical Physics Department and for a period of approximately four years worked in the field of clinical engineering in terms of research and development.

This included the design, manufacture and commissioning of 'bespoke' engineering solutions to presented medical problems and also encompassed the area of 'Technical Aids for the Disabled'.

Progressing on within the Regional Medical Physics Department, I moved to the Regional Rehabilitation Engineering Mobility Service where I was employed in the position of Rehabilitation Engineer.

Clinical experience included special seating, bespoke manual and powered wheelchair design/modification and development, as well as rotational quality assurance duties within the field of prosthetics across the three Disablement Service Sub-Regional Centres covering the Northern Region.

I achieved the position of Senior Rehabilitation Engineer for the remaining two years of my 10 years within the field of rehabilitation engineering, being responsible for a team of rehabilitation engineers in terms of their general management and operation.

Approximately 14 years ago, I was successful in gaining a position to develop a Sub-Regional Environmental Control System (ECS) Service. Following initial development, this soon progressed to become the Northern Regional ECS Service with a current ongoing client caseload of 600. Following review of specialised services by the respective NHS England Specialist Commissioning Team, I was also tasked with the re-modelling of the former Regional Communication Aid Service and remain the Service/Clinical Lead for this service, as well as the Regional ECS Service.

Electronic assistive technology has therefore remained my specialist area for the last 14 years.

Following recommendations by the NHS England Specialist Commissioning Team, I became Northern Senate Member of the Clinical Reference Group (CRG), Complex Physical Disabilities, specific to specialist equipment provision.
Development of National Electronic Assistive Technology (EAT) Services in their entirety has been a major focus resulting in National Service Specifications within my initial three year tenure. I have since continued my involvement through membership of both Advisory and Consultation Sub Groups.