

ABBREVIATED CURRICULUM VITAE  
OF  
PROFESSOR D.F. WILLIAMS FREng

**PERSONAL**

Born 1944  
Nationality British

**EDUCATION AND PROFESSIONAL QUALIFICATIONS AND HONOURS**

B.Sc.	Metallurgy	Birmingham, UK
Ph.D.	Materials Science	Birmingham, UK
D.Sc.	Biomaterials	Birmingham, UK
C. Eng.	Chartered Engineer	The Engineering Council, UK
F.I.M.	Fellow of the Institute of Materials	UK
F.I.P.E.M.	Fellow of the Institute of Physics and Engineering in Medicine	UK
F.B.S.E.	Fellow, Biomaterials Science & Engineering	USA
MAE	Member of Academia Europaea	
M.A.E	Member of Academy of Experts	UK
FREng	Fellow of the Royal Academy of Engineering	UK

**CAREER**

1968 - 1972 Lecturer, Orthopaedic Biomechanics, University of Liverpool, UK  
1972 - 1975 Lecturer, Dental Biomaterials, University of Liverpool, UK  
1975 - 1976 Senior Fulbright Fellow and Visiting Professor, Clemson University, USA  
1976 - 1984 Senior Lecturer, Biomaterials Science, University of Liverpool, UK  
1984 - 1991 Professor and Director, Institute of Medical & Dental Bioengineering, University of Liverpool, UK  
1991 - 2000 Professor of Clinical Engineering, University of Liverpool, UK  
1997 - Director of Scientific and Technological Research,, AorTech International Plc  
2000 - Professor of Tissue Engineering, Head of Department of Clinical Engineering, University of Liverpool, Deputy Director of the UK Centre for Tissue Engineering

**CURRENT POSITIONS**

Professor of Tissue Engineering and Head of Department of Clinical Engineering, University of Liverpool, and Honorary Consultant Scientist, Royal Liverpool University Hospital, Deputy Director of the UK Centre for Tissue Engineering (IRC in Tissue Engineering)

Director of Scientific and Technological Research,, AorTech International, UK

**ADDRESS**

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University of Liverpool  
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## **PUBLICATIONS**

Author or edited over 30 books, including:

*Implants in Surgery*, W.B. Saunders, 1973

*Materials in Clinical Dentistry*, Oxford University Press, 1979

*Fundamental Aspects of Biocompatibility*, CRC Press, 1981

*Biocompatibility of Orthopaedic Implants*, CRC Press, 1983

*Encyclopaedia of Medical & Dental Materials*, Pergamon, 1991

*Medical and Dental Materials*, VCH, 1991

*Williams Dictionary of Biomaterials*, LUP, 1999

Author and co-authored over 300 scientific and technical papers dealing with biomaterials, biocompatibility, implantable medical devices and clinical engineering

Editorial columnist, *Medical Device Technology*, Advanstar

Editor-in-Chief, *Biomaterials*, Elsevier Science Ltd.

Member, Editorial Advisory Board of 8 international clinical engineering and biomaterials journals.

## **AWARDS**

Recipient of The Clemson Award, American Society for Biomaterials

Recipient of The George Winter Award, European Society of Biomaterials

## **PRESENTATIONS**

Delivered over 160 invited, keynote or eponymous lectures on biomaterials science and related subjects since 1980 in the UK, USA, Canada, Australia, Japan, India, Singapore, Sweden, Norway, Denmark, Germany, the Czech Republic, Belgium, Luxembourg, the Netherlands, France, Switzerland, Greece, Italy, Spain, Portugal, Turkey, Egypt and Israel.

Originator and presenter of The Liverpool Seminars in Biomaterials, delivered across Europe, 1988-1995.

## **RECENT AND CURRENT RESPONSIBILITIES**

Member of UK various UK Research Council and Government Committees including:

*Former Chairman, Medical Engineering Committee, SERC*

*Former Member, Materials Commission, SERC*

*Former Member, Health Technology Assessment Committee, Dept. of Health*

*Member, Medical Implants / Programme Management Committee, Dept. of Trade & Industry*

*Former Member, Joint Dental Committee, MRC*

*Member, Technical Opportunities Panel, EPSRC*

Adviser to European bodies:

*Expert Adviser, DG III European Commission, Medical Devices Directorate*

*Expert Adviser, DG XII, Framework Programme on Research and Development*

*Member of Scientific Committee on Medicinal Products and Medical Devices, DG XXIV*

International Assessor to Research Programmes, including:

*Medical Research Council of Canada*

*INSERM, France*

*NUTEK and Sft, Sweden*

*CRC - Cardiac Technology, Australia*  
*Swiss Government Materials Programmes*

University of Liverpool positions, including:  
*Chairman, Research Committee of the University, 1991 - 1994*  
*Chairman, Liverpool University of Press, 1991 -*  
*Pro-Vice- Chancellor 1997 -2000*

### **INDUSTRY**

Consultant to over 40 multinational, European or British companies on scientific, technical, regulatory and legal aspects of biomaterials, medical devices and biocompatibility. Director of Scientific and Technological Research, AorTech International Plc; member of Scientific Board of several international medical device companies.

### **RESEARCH**

Regarded internationally as leading authority on biomaterials, biocompatibility, medical devices and tissue engineering. Recipient in 1999 of JIF Award for Biomaterials and Tissue Engineering Laboratory (£3.5 million) and in 2000 of the BBSRC/MRC/EPSRC Interdisciplinary Research Collaboration in Tissue Engineering (£9.7 million)