ATHENE MARGARET DONALD, DBE FRS

**Curriculum Vitae**

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**Present Employment** :

1998- Professor of Experimental Physics, Department of Physics

2014- Master of Churchill College

**Previous employment:**

1977 - 81 PDRA Cornell University (Department of Materials Science and Engineering),

1981 - 3 SERC Fellowship held at the Department of Metallurgy and Materials Science, University of Cambridge.

1983 - 5 Royal Society 1983 Research Fellowship held at the Cavendish Laboratory, Cambridge.

1985 - 95 Lecturer in the Department of Physics, University of Cambridge.

1995- 8 Reader in Experimental Physics, University of Cambridge

2003- 10 Deputy Head (with responsibility for Finance and Resources from 2005-10)

1981- 2014 Fellow of Robinson College

**Education** :

1971 - 4 Cambridge University, B.A.

1974 - 7 Cambridge University, Ph.D.

**Prizes and Honours**

1989 Charles Vernon Boys Prize of the Institute of Physics.

1989 Samuel Locker Award in Physics (University of Birmingham; £5000)

1995 Rosenhain Medal and Prize (Institute of Materials)

1999 Elected Fellow of the Royal Society

2003 William Hopkins Prize of the Cambridge Philosophical Society

2005 Mott Medal of the Institute of Physics

2006 Bakerian Lecturer of the Royal Society

2009 Laureate for Europe, L’Oreal/UNESCO For Women for Science Awards

2009 Elected to the Academia Europaea

2009 Founders’ Prize, Polymer Physics Group of the Institute of Physics

2010 Fellow of the Science Museum, London

2010 IOP Faraday Gold Medal

2010 Mott Lecturer for the IOP's Condensed Matter and Materials Physics Division

2010 Appointed DBE in the Birthday Honours

2011 UKRC Women of Outstanding Achievement Award: Lifetime Achievement

2012 Honorary DSc’s from Exeter University and UEA

2013 Elected Fellow of the European Academy of Science

2013 One of MRC’s Suffrage Science winners for 2013

2013 Honorary DSc from University of Sheffield

2014 Rideal Prize Lecturer of the SCI

2014 Honorary DSc from Swansea University and UCL

2014 Appeared in Science Council’s top 100 UK practising scientists (in Communicator category)

2014 Campbell Lecturer University of Southampton

2014 Lewis Elton Lecture, University of Surrey

2015 Geiringer Lecture Harvard University

2015 Honorary DSc’s from Universities of Manchester, Liverpool and Heriot Watt

2015 Rothamsted lecture

2015-6 President of the British Science Association

2016 Listed in the Sunday Times Debrett's 500 list of influential Britons

2016 James Callaghan Memorial Lecture, University of Swansea

2016 Honorary DSc from University of Leeds

2017 Honorary Doctor of Laws from University of Bath

**University Roles**

I am a Deputy Vice Chancellor and a member of the Research Planning Committee. Until October 2014 I was a member of University Council and the University’s Gender Equality Champion. I was the University representative on the LERU Working Group of Science Deans.

**Selected Recent National and International Committees and Responsibilities**

2006-10 1st Chair of Biological Physics Group of the IOP

2006 - Member International Scientific Committee for ESPCI, Paris

2007-8 Chair, EBS Committee Review for BBSRC

2010-11 Chair, BBSRC Committee C; Deputy Chair 2009

2010 Member, Physics Pilot REF panel

2010-14 Chair Royal Society Education Committee

2010-14 Project Director for the IOP’s Biological Physics Teaching Project

2011-16 Trustee Science Museum Group

2012- Member Science Museum Advisory Board

2011-12 Member Reports on Progress in Physics Editorial Board

2012- 15 Member Royal Society Council

2010-14 Member Joint Ministerial STEM education Committee

2013- Member ERC Scientific Council and 3 of its sub-committees/working groups

2013-17 Member BIS (now BEIS) Diversity Steering group

2015-17 Chair Department of Culture, Media and Sports Scientific Advisory Council

2015- Deputy Chair Royal Society Planning and Resources Committee

2016- Member IOP Honorary Fellows Committee

2017- Chair of the Interdisciplinary Advisory Panel for REF2021

**Outreach**

I have been engaged in a variety of events revolving around the public awareness of science, dating from the time I headed up the team of 4 giving the 1995-6 IOP Schools Lecture Series, giving a lecture entitled "Building with Snakes - the Physics of Long Chain Molecules" at ~25 venues around the country.On the back of the L’Oreal Prize I was given a number of opportunities (ranging from Desert Island

Discs to Woman’s Hour) to talk about my science to a large audience on the radio. In the last few years I have participated in Start the Week, Essential Classics, The Life Scientific, the 7 Ages of Science, In Our Time (3 times), Private Passions as well as commenting on topical issues on Today. I have been involved with Inspiring the Future initiative in schools and give several school talks a year around the country.

**Policy**

Through my role as Chair of the Royal Society Education Committee I was involved in discussions with civil servants, SPADs and Ministers and sat on the Joint Ministerial STEM Committee (headed up by the Schools and University Ministers). From 2015-17 I chaired the Science Advisory Council for the Department of Culture, Media and Sports. Within the University I am a member of the CU Science Policy Exchange Advisory Board and regularly meet with CSaP (Centre for Science and Policy) Fellows.

**Diversity**

2007- 14 Director of WiSETI (Women in Science, Engineering and Technology Initiative)

2009-13 Chair Athena Forum

2009- Patron Daphne Jackson Trust

2009- 13Member Equality and Diversity Network of the Royal Society

2011-12 Chair L’Oreal/UNESCO FWIS Fellowships Jury

2012 -14 Member IOP Advisory Group on Girls In Physics

2014-17 Member BIS/BEIS Diversity Steering Committee

2015- Lay Member Sheffield University Equality and Diversity Board

Within the University I was the Gender Equality Champion (2010-14) and chaired the Gender Equality Group (2011-15) . Nationally, I chaired the Athena Forum and am regularly asked to talk at relevant events (including abroad), such as many other university’s Athena Swan events. I have written numerous articles about issues for girls and women in science (eg for the Smith Institute,for Fabiana and for the Fabian Review), and this topic forms a substantial part of my blogs – my personal blog at <http://occamstypewriter.org/athenedonald> and on Guardian science blogs (Occam’s Corner collective).

In the last few years talks other than science talks have far outnumbered standard seminar and conference presentations, although they often have some research content.

**Talks (other than pure science) since 2011**

***Outreach and Careers***

Imperial Cancer Research Postdoc Day

Edinburgh Engineering Graduate Research Day

IOP (Wales) Schoolteachers Event

IOP (SE Branch)

IOP (East Anglia Branch)

IOP Liverpool City of Culture Event (x2)

Edinburgh Innovative Learning Week

Patrons of the Science Museum

St Paul’s Girls School

Skipton High School

Imperial Life Sciences Postdoc Day

2 debates at Hay Philosophy Festival

Science Week Debate on the Future of Healthcare

Science Week Lecture

Oxford Science Society

Cambridge Union Society

CUPS

Recent Appointees in Materials Science

Bedford Girls High

Triple Helix Society

IOP Nanoscience Group Careers’ Day

Royal Institution Friday Evening Discourse

Leeds Bioscience postgraduate symposium

Inspiring the Future

Saffron Walden High

St Mary’s Girls School Cambridge event

Chesterton Community College

The Other Club

Hinchingbrooke School

Parkside

Brighton College

Schlumberger Faculty of the Future (3 times)  
Hay Festival

***School Education***

Association of School Educators

Sunday Times Festival of Education

Westminster Forum

Quantitative Skills debate at British Academy

***Diversity***

Manchester WISET

Osterreiche Naturwissenschaft Gesellschaft

Leicester Athena Swan

Exeter Athena Swan

Leeds WISE

InGov Meeting

Dorothy Hodgkin Day

Hay Philosophy Festival

Triple Helix Debates (twice) on science and women

Eureka Debate on science and women

L’Oreal FWIS Fellowship Day

Launch of ASSET Report

Leeds University Athena Swan

Sheffield University Women’s Network

Newcastle Women’s Group

Imperial College Athena Swan Lecture

MRC Wikipedia Editathon at NIMR

CU Society for Policy Exchange

Schlumberger Faculty of the Future

Cam AWISE

Royal Holloway Athena Lecture

Merton College Oxford

University of Southampton Campbell Lecture

Sheffield Science Week 2014

Sanger Institute

Churchill College JCR

Women in Science Research Network

IOP Open Lecture

Vitae Annual Meeting

Cambridge University Engineering Department

AMRC Sheffield University

Rosalind Franklin Appathon

Wolfson College IWD talk

Reading University

Edinburgh University Athena Day

Corpus Christi College Girls into Science ERC Gender workshop at ESOF16

Robinson College open day for Girls

***General***

Sidgwick Lecture, Newnham College

Cambridge International Summer School

University of Kent (open lecture)

St John College (Oxford) Interdisciplinary Institute

Lewis Elton Lecture University of Surrey

European Innovation Convention

British Academy/American Academy of Arts joint meeting

British Science Association Presidential Address

Clare College ECRs

Swansea James Callaghan Lecture

**Contributions on Radio (since 2009)**

Essential Classics

Today x4

Desert Island Discs

A Good Read (discussing biography of Erasmus Darwin)

In Our Time (x3 )

Start the Week with Andrew Marr

Women’s Hour

Life Scientific

Inside Science (x2)

Private Passions

Several interviews with Radio 5 and local radio

BBC News 24 x3

**Print and Online Journalism**

Regular blogger for Guardian Science Blogs and occasional blogger for the IOP’s Physics Focus blog and the Huffington Post

2 articles for Observer Comment and 1 for Politics section

Daily Telegraph (1 article)

Interviews with the Daily Mail, Telegraph and Observer

Various articles and book reviews for the THE