

David Alastair Ritchie

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Academic Appointments

1984-1985	Research Assistant, Low temperature Physics, University of Sussex.
1985-1991	Research Associate, Semiconductor Physics group, Cavendish Laboratory.
1991-1999	Toshiba Assistant Director of Research, Cavendish Laboratory, University of Cambridge.
1991-	Teaching Fellow and Director of Studies, Robinson College, University of Cambridge.
1999-2002	Reader in Experimental Physics, University of Cambridge.
2002-	Professor of Experimental Physics, University of Cambridge.
2009-2013	Deputy Head (Teaching), Department of Physics, University of Cambridge
2018-	Professor of Semiconductor Science and Technology, Swansea University.

Societies, Honours, Awards, Prizes etc

- Fellow of the UK Institute of Physics 2005-.
- Member: American Physical Society.
- Member British Association of Crystal Growth.
- Awarded 2008 Tabor Medal and Prize by the UK Institute of Physics.
- Fellow of the Learned Society of Wales 2020-.

Activities on behalf of Research Councils and other UK bodies

- EPSRC College and grant panels.
- Reviewing grant proposals for Leverhulme Trust, Royal Society, Royal Academy of Engineering, British Council.
- Steering Committee National III-V technology facility and National epitaxy facility 2010-.
- Chair of the Institute of Physics Semiconductor Group 2012-2016.
- Institute of Physics awards Committee 2013-2016.
- Royal Society University Research Fellowship panel Aii 2016-.
- EPSRC Strategic Advisory Team in Information and Communication Technologies 2020-.

Major projects involving scientific and management leadership

- PI/Cambridge Lead on 16 EPSRC, 5 IUK and 9 EU grants, total £14M to Cambridge.
- Co-I on 20 EPSRC grants, total £19M to Cambridge.
- 27-year collaboration with the Toshiba Research Europe Laboratory, income over £10M.
- Long term Collaborations with Teraview Ltd, E2V Ltd and the National Physical Laboratory.

International scientific activities

- International Advisory Board: International Conference on Molecular Beam Epitaxy 2012-.
- Research Project Review Panel, Sandia National Laboratories, USA, 2013.
- Research Quality Review Panel G, University College Cork 2015.
- National Research Council (NRC) Canada AEP Advisory Board 2018-.
- Reviewing grant proposals for: National Science Foundation, Israel Science Foundation, Swiss Federal Institute of Technology and Federal Department of Home Affairs, Swiss National

Science Foundation, Netherlands Organisation for Scientific Research (NWO), the Austrian Science Fund (FWF), German Research Foundation (DFG).

Publications

- Co-author of over 1200 journal papers and 500 conference presentations on the physics, growth and fabrication of semiconductor structures.
- Papers include 71 in Physical Review Letters, 203 in Applied Physics Letters, 183 in Physical Review B, 6 in Science and 6 in Nature, 41 in other Nature Journals.
- Papers have h-index of 77 (Web of Science – 29,000 citations) or 95 (Google Scholar – 47,000 citations).
- Collaborations with researchers at the following Universities Bath, Birmingham, Cambridge, Exeter, Essex, Glasgow, Leeds, Imperial College, UCL, Royal Holloway, Nottingham, Oxford, Sheffield, Southampton, York, Cardiff, ETRI, CNRS, New South Wales, Pisa, Paris 7, Danish Technical University, Copenhagen, Neuchatel, Nijmegen, Oregon, Russian Academy of Sciences, Sungkyunkwan, Taiwan.