

Prof. Anthony V Powell, University of Reading, UK

I have been active in thermoelectrics research for 20 years. My work encompasses materials for energy harvesting in applications ranging from wearable electronics to vehicle exhaust systems. It has primarily focused on complex chalcogenides and skutterudites. I have embraced the multi-disciplinary nature of thermoelectrics research, through collaboration with physicists, materials scientists and engineers in the UK, Europe, and the USA. Much of our work has been conducted in collaboration with industry in the UK and Europe. I am a regular attendee and contributor to meetings of the European Thermoelectrics Society and International Thermoelectrics Society, while I have sought to publicise thermoelectrics research to a wider audience through presentations at meetings of the broader chemistry and materials communities. In 2014, in conjunction with Prof. R Freer, I established with research council support, the UK Thermoelectrics Network. I co-chair the Network, which affords a focal point for industrialists and UK academics from a wide range of disciplines engaged in thermoelectrics research and provides a voice for thermoelectrics in the UK. The Annual Meeting of the Network enables researchers from the UK to present their latest work and provides a forum for discussion of matters of importance to the community. An international perspective is provided by inclusion of guest speakers from the wider thermoelectrics community.

Curriculum Vitae of Professor Anthony Vivian Powell

Address

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University of Reading,
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Nationality

British

Education

1982-90: University College, Oxford

Degrees and Awards

2016: Fellowship of the Royal Society of Chemistry

2010: Visiting Professor in Solid-State Chemistry, University of Pardubice, Czech Republic

2001: Royal Society of Edinburgh/SEELLD Support Research Fellowship

1991: MA (Oxon)

1990: D. Phil in Solid-State Chemistry, University of Oxford

1986: BA (Hons) in Chemistry, University of Oxford

Employment History

2013-17: Professor and Head of Department of Chemistry, University of Reading.

2008-13: Professor of Solid-State Chemistry, Department of Chemistry, Heriot-Watt University.

2000-07: Reader in Solid-State Chemistry, Department of Chemistry, Heriot-Watt University.

1992-00: Lecturer in Inorganic Chemistry, Department of Chemistry, Heriot-Watt University

1991-92: Post-doctoral research assistant to Prof. PD Battle, Inorganic Chemistry Laboratory, University of Oxford

1990: Post-doctoral research assistant to Prof. Sir AK Cheetham FRS, Chemical Crystallography Laboratory, University of Oxford

Research

- 150 publications:
- £5.8M Research Funding,
- Over 50 Invited lectures at conferences and institutions in the UK and overseas.

Contributions to the Scientific Community

- Associate Editor, Journal of Solid State Chemistry
- Member International Panel of Experts, Low-dimensional Thermoelectric Energy Conversion Materials and Devices. College of Physics, Chongqing University, China.
- UK Mentor for British Council-RSC India-UK Workshop on Thermoelectric Materials for Waste-Heat Harvesting, Bangalore, India.
- Chairman, Science Advisory Committee, £3.5M Polaris Project, ISIS Facility
- Reviewer for European Science Foundation, Austrian Science Fund, French National Research Agency, EPSRC, The Leverhulme Trust, The Royal Society, The Royal Academy of Engineering, DTI-OST (all UK), The Petroleum Research Fund (USA), German Research Foundation, Dutch Research Council, Polish Research Council
- Member of eight International Conference Advisory Boards
- External examiner for 30 PhD theses in the UK, India, France & Australia.