

Invited Speaker



Prof. Dr. Richard Jackman
Chair in Electronic Devices
University College London, UK

Professor Jackman gained a BSc in Chemistry at the University of Southampton, before completing a PhD in Surface Science at the same institution in 1986. Richard was made the Royal Society Eliz. Chanllenor Research Fellow to study 'processes at the semiconductor vapour interface' at the University of Oxford, from 1986 to 1989, during which period he also held a Junior Research Fellowship at Linacre College, Oxford.

Following his appointment as a Lecturer within the Electronic and Electrical Engineering department at UCL in 1989, Richard established a research group exploring the use of diamond for electronic device fabrication, a topic new to UCL and one only just emerging worldwide. Richard became a Senior Lecturer in 1993, a Reader in Electronics in 1996 and took up a Personal Chair in Electronic Devices in 2008. Professor Jackman is a Fellow of the Institute of Physics, and a Chartered Engineer and Physicist. Richard chaired the British Vacuum Council (BVC, 2000-3), represented the UK on the Electronic Materials division of the international Union of Vacuum Science and Technology Associations (IUVSTA, 1995-2001), and represented the UK on the Council of IUVSTA (2001-4). Professor Jackman also served on the committee of the IOP's Semiconductor Physics group (2007-10).

Richard has served on the Editorial Board of the international journals, Semiconductor Science and Technology and Applied Physics A, and edited special issues of the journals Thin Solid Films, Surface Science, Applied Surface Science, Physica Status Solidi A, as well as editing Proceedings of the Materials Research Society (Diamond Electronics I, 956 (2007), Diamond Electronics II, 1039 (2008)). Media work has included the BBC Radio 4 programme 'Materials World' (2004) and 'Diamond: The worlds most dazzling exhibition' at the Natural History Museum, London (2006). Extensive international conference organisation includes The European Diamond Conference series (9th-19th, 1998-2008), the Hasselt Diamond Workshop (IVXIII, 1999-2008) and the 'New Diamond and NanoCarbons' series (NDNC, 2007,8). Richard has given more than 65 invited papers at international meetings.

To date, Professor Jackman has personally graduated 20 PhD students, and has a current group of ten PhD students, plus postdoctoral research fellow support. He has published a (coedited) book, 6 book chapters, four patents, 185 journal papers and more than 250 conference papers. The Diamond Electronics Group, which Richard heads, is based within the London Centre for Nanotechnology (LCN), on UCL's campus. Research income to date is more than £5M, £4M with Richard as PI