

## Opening of the Science City Cleanroom for Energy Efficient Semiconductors

Friday July 2<sup>nd</sup>, The University of Warwick, Digilab

### SPEAKER BIOGRAPHIES



**Jon Baldwin**

*Registrar, The University of Warwick*

Jon Baldwin joined Warwick as Registrar in 2004 and is responsible for the administration of the University under the direction of the Vice-Chancellor. Prior to his appointment at Warwick, he was Secretary and Registrar at UMIST from 2000 to 2004 and Registrar at the University of Wolverhampton from 1995 to 2000. He has also held management, teaching and administration posts at Queen Margaret College, Edinburgh and Lancashire Polytechnic, as well as teaching at the Open University and in Further Education and publishing papers and articles on a wide range of education-related topics.

He is past President of the Institute of Chartered Secretaries and Administrators (ICSA), an Associate of the National Health Institute for Innovation & Improvement, a member of the Executive Committee of the Association of Heads of University Administration (AHUA), a former member of the Executive Committee of the Association of University Administrators (AUA) and has previously been a School and Further Education College Governor. He is a regular conference speaker and contributor to national and international debates.



**Professor Chris Snowden**

*President of the Institution of Engineering and Technology, Vice-Chancellor of the University of Surrey*

Professor Snowden joined the University of Surrey as Vice-Chancellor and Chief Executive in 2005. He is a distinguished engineer with wide experience of the international microwave and semiconductor industry. He is President of the Institute of Engineering and Technology, Vice-President of the Royal Academy of Engineering and he chairs the Academy's Engineering Policy Group.

Professor Snowden is a Member of the Council of the Engineering and Physical Sciences Research Council and has recently been appointed to the governing body of the UK's Technology Strategy Board. He is a Member of the Board of Universities UK and Chairs the UK Employability, Business and Industry Policy Committee. He is a member of the Council for Industry and Higher Education and the Defence Scientific Advisory Council.

Professor Snowden is a Fellow of the Royal Society, Fellow of the Royal Academy of Engineering, Fellow of the IEEE, a Fellow of the IET and a Fellow of the City and Guilds Institute. He was awarded the Royal Academy of Engineering's Silver Medal in 2004 for his "outstanding contributions to the UK microwave semiconductor industry". He was a Distinguished Lecturer for the IEEE Electron Devices Society for seven years until 2005. In 1999 he was awarded the Microwave Prize of the IEEE Microwave Theory and Techniques Society – only the second UK citizen in 58 years to receive this accolade. In 2009 he was awarded the IEEE Distinguished Educator Award of the Microwave Theory and Techniques Society. He has published 8 books and over 300 technical papers.


**Professor Pam Thomas**

*Director, Science City Research Alliance*

Professor Pam Thomas is the Director of the Science City Research Alliance for the Universities of Warwick and Birmingham in addition to her role as a research professor at Warwick.

Pam has also been a member of staff in the Department of Physics at the University of Warwick since 1990 and a full professor since 2005. She was educated at Oxford University, where she took an BA (Hons) in Physics and a DPhil on the subject of Optical Activity in Crystals in the Physical Crystallography Group of the Clarendon Laboratory. Following a period as a Research Fellow at the Clarendon Laboratory, she moved to Warwick in 1990 to found and head the Ferroelectrics and Crystallography Group, which is part of the larger Condensed Matter Physics activity in the Department.


**Professor Phil Mawby**

*Head of Electronics, Power and Microsystems  
 School of Engineering, The University of Warwick*

Professor Mawby joined the University of Warwick having spent 19 years and the University of Wales, Swansea. Whilst in Swansea Professor Mawby established the power electronics design centre and held the Royal Academy of Engineering Chair for power electronics. He has built an international reputation in the area of power electronics and power device research. His main interests are materials for new power devices, modelling of power devices and circuits, power integrated circuits. He has also worked extensively on development of device simulation algorithms, as well as optoelectronic and quantum based device structures.

Professor Mawby graduated from the University of Leeds, and obtained his PhD from the same institution in 1986, where he studied GaAs/AlGaAs Heterojunction bipolar transistors for high power radio frequency applications in conjunction co-workers at the GEC Hirst Research Centre in Wembley.

Professor Mawby is on many international conference committees including, ISPSD, EPE, BCTM and ESSDERC. He is Chartered Engineer, a Fellow of the IET, and a Fellow of the Institute Physics as well as a Senior Member of the IEEE. He has published over 70 Journal papers and 100 conference papers, and is a distinguished lecturer for the IEEE Electron devices society.


**David Hinchley**

*Senior Power Electronics Engineer  
 Converteam*

David Hinchley is a Senior Power Electronics Engineer in Converteam's Advanced Technology Group, based in Rugby. He is currently working on a range of long-term R&D projects including offshore wind, marine electric propulsion and superconducting machines.

Prior to joining Converteam in 2006, he was a Principal Engineer at Semelab plc in Lutterworth, where he was responsible for the design of Silicon power semiconductor devices. Whilst at Semelab, he was also actively involved in Silicon Carbide device research, as part of the European ESCAPEE project. He has an MA in Engineering from Cambridge University and completed his PhD in Large Area Power Semiconductors in 1996. His PhD was sponsored by Marconi Electronic Devices Ltd, which is now Dynex Semiconductor.