

Dr Peter Lawson

BSc(Hons), MSc, PhD, PGCE, QTS

Personal

- Born 28 December 1960
- Born Liverpool UK
- Married

Employment

13 April 2014 to present

Abu Dhabi Polytechnic, Abu Dhabi, UAE

- Assistant Professor (Physics)

18 August 2013 to 13 April 2014

Applied Technology High School, PO Box 107110, Abu Dhabi, UAE

- Teacher of Physics.

31 March 2012 to 17 August 2013

Self-employed.

1 Jan 1999 to 31 March 2012

Bicester Community College, Bicester, Oxon, OX26 2NS

- Second in faculty. Responsible for Standards and Attainment.
- Head of Physics
- Head of A level Physics

1 Sept 1998 to 31 Dec 1998

Radcliffe School, Wolverton, Milton Keynes

- Science Teacher teaching years 9 up to 13 (A Level Physics)

19 April 1997 to 3 August 1997

Sitel Stratford services limited, South Bar House, South Bar, Banbury, Oxon

- Temporary employment as a Teleservices Representative

6 Sept 1993 to 14 June 1996

Department of Physics, University of Warwick, Coventry, CV4 7AL.

- Research Fellow responsible for the organisation and implementation of our international synchrotron based research in Magnetic Compton Scattering.
- Projects at ESRF, Grenoble, France
- KEK, Japan

1 Sept 1986 to 1 June 1993

Department of Physics, University of Salford. Salford M5 4WT

- Research Assistant in the Applied Magnetism/Separation Science working mainly on High Gradient Magnetic Separation experiments while completing a course of study and research leading to a PhD.

Education

1997-1998 University of Warwick

- **PGCE, Secondary Science teaching course.**

1986-1993 University of Salford, Salford

- **PhD thesis entitled "An Experimental Study of Magnetic Periodic Filters".**

1984-1985 University of Essex, Colchester, Essex

- **MSc study entitled "Lasers and their applications".**

1979-1983 Liverpool Polytechnic, Liverpool

- **Applied Physics BSc (Hons) 2(2)**

Publications

- R. Gerber and P. Lawson, The H.G.M.S. Filter performance exponential law, IEEE Trans Magn. MAG**25** (1989) 3806
- P. Lawson and R. Gerber, Viscosity effects in multiwire H.G.M.S., IEEE Trans Magn. MAG**26** (1990) 1861
- J. G. Booth, P. Lawson, F. R. deBoer and P. H. Frings, Magnetic clusters in FeAl_(1-x)Cu_x alloys: SANS measurements, J. Appl. Phys. **67(9)**, 1 May 1990, 5973.
- D. Fletcher, R. Gerber, P. Lawson and J. Boehm, Eddy current separation of nonferrous conductors and nonconductors: Theory and initial experiments, IEEE Trans Magn. MAG**27** (1991)
- R. Gerber, P. Lawson, Magnetic cage filters, IEEE Trans Magn. MAG **30** (1994). 4653.
- P. K. Lawson, J. E. McCarthy, M. J. Cooper, E. Zukowski, D. N. Timms, F. Itoh, H. Sakurai, Y. Tanaka, H. Kawata & M. Ito. Temperature Dependence of the Magnetic Compton Profile of Ferrimagnetic DyFe₂ and ErFe₂, J. Phys. Condens. Matter, **7**, 389400. (1995).
- M. J. Cooper, P. K. Lawson, M. A. G. Dixon, E. Zukowski, D. N. Timms, F. Itoh, H. Sakurai, H. Kawata, Y. Tanaka & M. Ito. A Compton Scattering Study of the 4f Magnetism in CeFe₂, Phys.rev.**B1, 54**, 1 August 1996
- J. E. McCarthy, M. J. Cooper, P. K. Lawson, D. N. Timms, S. Manninen, K. Hamalainen & P. Suortti. High energy magnetic Compton Scattering from Iron. J Synchrotron Rad.
- P. K. Lawson, D. N. Timms, M. A. G. Dixon, M. J. Cooper, J. E. McCarthy, K. Hamalainen, S. Manninen, T. Tschentscher. The spin dependent momentum density of hcp cobalt, J xray science and Technology **6**, (1996)
- P. K. Lawson, M. J. Cooper, D. N. Timms, F. Itoh and H Sakurai. Magnetic Compton scattering study of spin moments in Ufe₂. Phys. Rev B Vol. **56**, No. 6 (1997)
- E. Zukowski, A. Andrejczuk, L. Dobrzynski, M. J. Cooper, M. A. G. Dixon, S. Gardelis, P. K. Lawson, T. Buslaps, S. Kaprzyk, K. U. Neumann and K. R. A. Ziebeck. Spin-dependent electron momentum densities in Cu₂MnAl studied by Compton scattering. J.Phys.Cond.Mat, **9**, 10993. (1997)
- R. Gerber, Improvements in or relating to magnetic separators. English Electric Company (assignee). British Patents No.9108976.3 (1991). A patent for the permanent magnet ordered filter tested in collaboration with GEC.