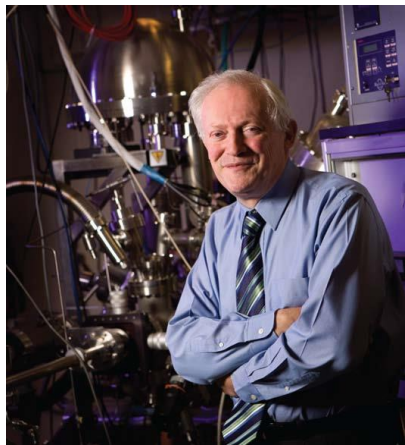


Dr. Peter M.A. Sherwood



Senior Affiliate Scholar, Western Washington University

Emeritus Dean and Emeritus Regents Professor of Physics,
Oklahoma State University

Emeritus University Distinguished Professor of Chemistry,
Kansas State University

Affiliate Professor of Chemistry, University of Washington

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Education & Professional Experience

Education

- B.Sc. Chemistry, St. Andrews University, 1967
- M.A., Ph.D. Cambridge University, 1970
- Sc.D. Cambridge University, 1995
- C.Chem., C.Phys., C.Sci., F.R.S.C., F.Inst.P.

Faculty Positions

- Fellow of Downing College, Cambridge University, 1970-1972.
- Lecturer, Department of Chemistry, Newcastle University (UK) 1972-1984.
- Senior Lecturer, Department of Chemistry, Newcastle University (UK) 1984-1985.
- Associate Professor, Department of Chemistry, Kansas State University, 1985-1991.
- Professor, Kansas State University, 1991-1997.
- University Distinguished Professor, Kansas State University, 1997-2004.
- Head, Department of Chemistry, Kansas State University, 1997-2004
- Dean of the College of Arts and Sciences, Oklahoma State University, 2004-2012.
- Professor of Chemistry, Oklahoma State University, 2004-2005.
- Professor of Physics, Oklahoma State University, 2005-2007
- Regents Professor of Physics, Oklahoma State University, 2007-2012

Sabbatical and Leave Positions

- Visiting Associate Professor, University of California at Berkeley, 1976.
- Visiting Professor, University of Bari, Italy, 1984.
- Visiting Scientist at Kodak. 1986.
- Visiting Scientist at CSIRO National Measurement Laboratory, Sydney, Australia, 1987.
- Program Officer for Analytical and Surface Chemistry at the National Science Foundation, 1990-1991.

Selected Awards & Honors

- Forrester Prize and Irvine Jubilee Medal for best 1st class honours chemistry degree, St. Andrews University, 1967.
- Salters' Company Fellow 1970-1972.
- Outstanding Performance Award for service to NSF as a Program Officer, 1991.
- Doctor of Science (Sc.D. degree), University of Cambridge, 1995.
- Award for Special Creativity, National Science Foundation, 1997
- Presidential Award for Outstanding Department Head from Kansas State University, 2003.
- Fellow, AVS Science and Technology Society, 2003.

Current Professional Activities

- Associate Editor of *Surface Science Spectra*.
- Treasurer, Applied Surface Science Division, AVS Science and Technology Society.
- Member of the U.S. Delegation for the International Standards Organization Technical Committee TC 201 on Surface Chemical Analysis.

Research Interests

Sherwood has a research program concerned with surface science. This program has involved the surface analysis (especially X-ray photoelectron spectroscopy) of materials with a particular interest in electrode surfaces, corrosion systems, and carbon fiber and composite surfaces. The work is an example of how basic science can be applied to analyze and understand important practical problems, many of which have a direct relevance to industry. Sherwood has authored or co-authored more than 220 publications.

Equipment

Sherwood brought four surface science instruments to the Pacific Northwest. Two of these instruments are at WWU, one in Chemistry and one in AMSEC.

Recent Publications

- Peter M.A. Sherwood, "Rapid evaluation of the Voigt function and its use for interpreting X-ray photoelectron spectroscopic data", *Surface and Interface Analysis*, **2019**, *51*, 254-274. (<https://doi.org/10.1002/sia.6577>.)
- Peter M.A. Sherwood, "Use and Misuse of curve fitting in X-ray Photoelectron Spectroscopy", *Surface and Interface Analysis*, **2019**, *51*, 589-610. (<https://doi.org/10.1002/sia.6629>.)
- Donald R. Baer, Kateryna Artyushkova, C. Richard Brundle, James E. Castle, Mark H. Engelhard, Karen J. Garkell, John T. Grant, Richard T. Haasch, Matthew R. Linford, Cedric J. Powell, Alexander G. Shard, Peter M.A. Sherwood, Vincent S. Smentkowski, "Practical Guides for X-Ray Photoelectron Spectroscopy (XPS): Initial Questions, *Journal of Vacuum Science and Technology A*, **2019**, *37*(3), 031404-1 – 031404-11. (<https://doi.org/10.1116/1.5065501>).