

Solid State Chemistry An Introduction Fourth Edition By Uk Moore Elaine A The Open University Milton Keynes Uk Smart Lesley E The Open University Milton Keynes

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Über den Autor und weitere Mitwirkende **Lesley Smart** studied Chemistry at Southampton University, UK and after completing a Ph.D. in Raman spectroscopy, she moved to a lectureship at the (then) Royal University of Malta. After returning to the United Kingdom, she took an SRC Fellowship to Bristol University to work on X-ray crystallography. From 1977-2009 she worked at the Open University Chemistry Department as a Lecturer, Senior Lecturer and Molecular Science Programme Director, and since retiring holds an honorary senior lectureship there. At the Open University, she was involved in the production of undergraduate courses in inorganic and physical chemistry and health sciences. She was the coordinating editor and an author of The Molecular World course, a series of eight books and DVDs co-published with the Royal Society of Chemistry, authoring two of these (2002), *The Third Dimension* and *Separation, Purification and Identification*. Her most recent books are (2007) *Alcohol and Human Health* and (2010) *Concepts in Transition Metal Chemistry*. She has an entry in *Mothers in Science: 64 ways to have it all* (downloadable from the Royal Society website). She has served on the Council of the Royal Society of Chemistry and as the Chair of their Benevolent Fund. Her research interests are in the characterization of the solid state, and she has publications in single-crystal Raman studies, X-ray crystallography, zintl phases, pigments, and heterogeneous catalysis and fuel cells. **Elaine Moore** studied Chemistry as an undergraduate at Oxford University and then stayed on to complete a D.Phil in Theoretical Chemistry with Peter Atkins. After a two-year post-doctoral position at Southampton, she joined The Open University in 1975 as Course Assistant, becoming a Lecturer in Chemistry in 1977, Senior Lecturer in 1998, and Reader in 2004. She has produced OU teaching texts in Chemistry for Courses at levels 1, 2, and 3 and written texts in Astronomy at level 2 and Physics at level 3. She is co-author of *Metal-Ligand Bonding*, and the text *Molecular Modelling and Bonding*, which forms part of the OU level 2 Chemistry Course, was co-published by the Royal Society of Chemistry as part of *The Molecular World* series. She oversaw the introduction of multimedia into chemistry courses and has designed multimedia material at levels 1, 2 and 3. She is co-author of *Metals and Life* and of *Concepts in Transition Metal Chemistry*, which are part of a level 3 Open University Course in Inorganic Chemistry and co-published with the Royal Society of Chemistry. Her research interests are in theoretical chemistry applied to solid state systems and to NMR spectroscopy. She is author or co-author on over 50 papers in scientific journals."

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