

Clare McCabe

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Professor Clare McCabe received the B.Sc. degree in Chemistry in 1995 and Ph.D. degree in 1999 from Sheffield University. Her Ph.D. was under the direction of George Jackson (now at Imperial College, UK) and focused on the statistical mechanics of chain molecules using the statistical associating fluid theory (SAFT) approach. After postdoctoral (1999-2000) and research faculty (2000-2001) appointments at the University of Tennessee, she joined the Colorado School of Mines faculty as an Assistant Professor of Chemical Engineering in January, 2002. In August of 2004 she moved to Vanderbilt University where she is now an Associate Professor of Chemical and Biomolecular Engineering and (since 2008) of Chemistry. McCabe has published over 60 papers in refereed journals and is a fellow of the Royal Society of Chemistry. Her research interests focus on the use of molecular modeling techniques, including molecular simulation, computational quantum chemistry and molecular-based equations of state, to understand and predict the thermodynamic and transport properties of chemical and biological systems.