

Professor Anne Trefethen bio



Professor Anne Trefethen is the Director of the Oxford e-Research Centre (OeRC) and Professor of Scientific Computing at Oxford University. Through the application of innovative computational and information technologies, the OeRC enables the exploration of new research areas in the sciences and increasingly in the humanities and social sciences, as well as the development of multidisciplinary collaborations.

Before joining Oxford University, Professor Trefethen was the Director of the UK e-Science Core Programme, where she also served for four years as the Deputy Director. The Core Programme focused on the generic issues for e-Science applications and Grid infrastructure through the development of appropriate middleware and infrastructure in collaboration with UK industry.

Professor Trefethen has worked for almost 20 years in industry and academia with a focus on numerical algorithms and software, computational science and high-performance computing. She has been active in high-performance computing applications and algorithms since 1989 starting with four years at Thinking Machines Corporation Inc. developing linear algebra algorithms for the Connection Machine Scientific Software Library (CMSSL). She was a researcher in parallel computing at the Cornell Theory Centre, one of the NSF's four national HPC facilities, where she later became the Associate Director for Computational Support and Software.