

Leonard J. Bond has more than 25 years experience working on energy/measurement topics in both the UK and USA. In February 2005, he was appointed Director of the Center for Advanced Energy Studies (CAES,) recently established in Idaho Falls by a partnership between the Idaho National Laboratory, an Idaho and national university consortia, and members of the Battelle Energy Alliance.

Dr. Bond's early work in non-destructive evaluation (NDE) of materials, included ultrasonic development work on pipeline inspection. While a faculty member at University College London (UCL), University of London, he contributed to the London Center for Marine Technology, supporting North Sea oil and gas activities. His research has included applications to nuclear submarine reactors.

After moving to the US in 1990, he initially worked with the National Institute of Science and Technology (NIST) and the University of Colorado. He also was a consultant to the Electric Power Research Institute (EPRI) on computer modeling to support revalidation of primary nuclear pressure vessels, and with MIT and the US Department of Energy's Office of Fusion Research for NDE applied to the International Toroidal Experimental Reactor (ITER).

Dr. Bond joined the Pacific Northwest National Laboratory (PNNL) in 1998 as a Laboratory Fellow. He led the Laboratory's Advanced Nuclear Science and Technology Initiative and was a major contributor to the development of PNNL's Integrated Nuclear Strategy.

Dr Bond holds a BS in Applied Physics and a PhD in Physics from The City University, London. He is a Fellow of the Institute of Physics (UK) and a Senior Member of IEEE. He is author or co-author of more than 200 publications, including six book chapters, three monographs, over 55 peer-reviewed scientific journals, and over 60 major reports. He holds 6 patents.