



The Engineering Institute of Canada

Fellow Citation 2002

Dr. Amarjit S. Banwatt – A Member of the Canadian Society for Mechanical Engineering

Dr. Banwatt graduated from the University of Delhi and obtained his PhD at the University of Birmingham in the U.K. While at the University and for a short period thereafter, he taught and undertook research in the behaviour of metals, and in powder metallurgy. For the last quarter of a century he has worked on CANDU projects with AECL. He is currently Senior Specialist and Section Head in the analysis and application of ASME and CSA codes for qualification of the CANDU nuclear reactor, and its components.

Dr. Banwatt has worked on the G-2 Point Lepreau, Pickering A & B, Bruce and Darlington Stations in Canada and on the Argentine and Korean stations. He has also worked with EPDC of Japan on design improvements for the Fuelling Machine, and on earthquake behaviour of the Russian reactors at Ignalina Lithuania. Very complex tasks involving international teams.

He has prepared, and delivered many times, courses on finite-element analyses including linear elastic and complex non-linear dynamic and creep analyses for members of the project of the working team, and for other teams.

In the design of nuclear reactors, Dr. Banwatt's work has encompassed Design, Manufacturing and Testing; Static analysis; Seismic/Dynamic analysis; Heat Transfer/Thermal analysis; Model experimental Vibration; Piping Analysis; acoustics, and the development of linear and non-linear computer programs for such analyses. During this time Dr. Banwatt has been deeply involved in the development of the CSME, where he has also served in a number of capacities. He is now President and has been a Fellow of CSME since 1993.

As you can see Ladies and Gentlemen, a tireless and distinguished Canadian engineer – and now – A Fellow of the Engineering Institute of Canada.

Mr. President – Dr. Amarjit S. Banwatt