

RESUME OF: Michel J. Pettigrew (Nov. 2008)

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Summary of Professional Experience

Michel J. Pettigrew is currently Professor of Mechanical Engineering and BWC/AECL/NSERC Chair of Fluid-Structure Interaction at École Polytechnique in Montréal. He was Principal Research Engineer and Technical Director of the Vibration and Tribology Unit at the Chalk River Laboratories of Atomic Energy of Canada until mid-2000. His research and consulting interests include solid mechanics, flow-induced vibration with emphasis on two-phase flows and vibration damage caused by fretting-wear. He has developed design guidelines to prevent vibration problems in heat exchange equipment. He has given many specialist courses and has done extensive consulting for the nuclear, petrochemical and mining industry in Canada and internationally. Pettigrew holds five patents, is the author of some 300 publications and technical reports and has received several distinguished awards such as the CNS W. B. Lewis Medal, the R&D 100 Award, the Professional Engineers of Ontario Engineering Medal, the ASME PVP Medal and two ASME Best Paper Awards. He has organized several international symposia on flow-induced vibration including FIV-1996, FIV-1999, FIV-2001 FIV-2003 and FIV-2005. Pettigrew obtained a Mechanical Engineering Degree from École Polytechnique, Montréal, an M.Sc. from the University of Birmingham, England, under an Athlone Fellowship and is a Fellow of the ASME.