

Robert Fedosejevs, Ph.D., P.Eng.

Professor of the Department of Electrical & Computer Engineering at the University of Alberta, Canada since 1987. He received his B.Sc. and Ph.D. degrees from the University of Toronto in 1973 and 1979 respectively. His research program has focused on the development and application of lasers and investigation of high intensity laser-plasma interactions in a variety of areas from laser sensors to laser fusion.

He has held positions of Senior NSERC Industrial Research Chair in Lasers and Applications at the University of Alberta, Scientific Director of the Canadian Institute for Photonic Innovations, Conference Chair of the IEEE International Conference on Plasma Science and President of the Canadian Association of Physicists. He has been a guest professor and researcher at numerous international institutes including the Max Planck Institute for Quantum Optics in Germany, the Centre for High Intensity Lasers and Applications (CELIA) in France and the Centre for High Intensity Pulsed Lasers (CLPU) in Spain.

Recently he has investigated the generation of femtosecond duration multi-MeV electron and x-ray sources using laser wakefield acceleration in underdense plasmas.