BIO

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

Robert Fedosejevs is a full Professor Professor in the Department of Electrical and Computer Engineering at the University of Alberta.

He has carried out research related to fusion energy and applications of laser produced plasmas at the University of Alberta since he joined the University in 1980.

He received his B.Sc. and Ph.D. degrees in Physics from the University of Toronto in 1973 and 1979 respectively.

He has been a research collaborator with numerous institutions around the world including the Max Planck Institute in Germany, the Center for Intense Lasers (CELIA) in France and the Center for Ultrashort Pulsed Lasers (CLPU) in Spain.

He has held positions of Senior Industrial Research Chair in Lasers and Applications at the Univeristy of Alberta, Scientific Director of the Canadian Institute for Photonic Innovations and President of the Canadian Association of Physicists.

He also has organized international conferences including the International Conference on Plasma Science in 2002.

He has published over 260 scientific articles, given 70 invited talks and contributed to over 350 conference presentations.

His areas of expertise include femtosecond and nanosecond high power laser development, laser-plasma interactions, x-ray generation and particle acceleration from nanosecond and femtosecond plasmas, applications of lasers for sensor applications, materials processing and laser fusion.