

BIOGRAPHY



KEVIN J. DELUZIO

PhD, PEng, FCAE, FEIC

Dr. Deluzio began his academic career at Dalhousie University in 1999 as one of the first faculty members of the new School of Biomedical Engineering, with a cross-appointment in the Dept. of Surgery. He established the Dynamics of Human Motion Laboratory where his research focussed on the investigation of the biomechanical factors of knee osteoarthritis and its treatment. He is currently the Dean of Engineering and Applied Science at Queen's University, a Professor in the Dept. of Mechanical and Materials engineering and the Laboratory Head of the Human Mobility Research Laboratory. Dr. Deluzio has served on the executive of both the Canadian Orthopaedic Research Society and the Canadian Society for Biomechanics. He is a Fellow of the Canadian Academy of Engineering and of the Engineering Institute of Canada and is the current Chair of Engineering Deans Canada.

Dr. Deluzio's research involves the study of human locomotion to investigate the biomechanical factors of musculoskeletal diseases such as knee osteoarthritis. He is interested in the design and evaluation of non-invasive therapies as well as surgical treatments such as total knee replacement. Dr. Deluzio's work in quantitative human motion analysis combined with pattern recognition techniques provides the means for objective and sensitive measurement of joint function.

- Professor of Mechanical and Materials Engineering, Queen's University
- Dean of Engineering and Applied Science
- Laboratory Head of Human Mobility Research Laboratory

