

Peter J. Hunter

FRS, FRSNZ, MNZM

Professor of Engineering Science

Director, Auckland Bioengineering Institute, University of Auckland, New Zealand

Prof. Hunter completed an engineering degree in 1971 in Theoretical and Applied Mechanics at the University of Auckland, New Zealand, a Master of Engineering degree in 1972 (Auckland) on solving the equations of arterial blood flow and a DPhil (PhD) in Physiology at the University of Oxford in 1975 on finite element modeling of ventricular mechanics. His major research interest has been the interrelated electrical, mechanical and biochemical functions of the heart. As the recent co-Chair of the Physiome Committee of the International Union of Physiological Sciences (IUPS), he has been helping to lead the international Physiome Project, which aims to develop model and data encoding standards (CellML, FieldML, BioSignalML) and to use computational methods for understanding the integrated physiological function of the body in terms of the structure and function of tissues, cells and proteins. He is currently a Professor of Engineering Science, Director of the Bioengineering Institute at the University of Auckland and co-Director of Computational Physiology at Oxford University.