

Eleuterio F. Toro, PhD.

Emeritus Professor of Mathematics at the University of Trento, Italy and formerly a full Professor of Numerical Analysis at the same University in Italy.

Dr. Toro is formerly a full Professor of Numerical Analysis at the same University. Professor Toro holds an Honours BSc in pure mathematics (University of Warwick, UK); an MSc in functional analysis and differential equations (University of Dundee, UK); a PhD in computational mathematics from Teesside University (UK 1982) and is recipient of several honours and distinctions. Professor Toro's research has for many years focused the construction of computational methods for solving time-dependent evolutionary partial differential equations, with particular emphasis on hyperbolic balance laws and applications to industrial, aerospace and environmental problems. He is authors of books and more than 300 publications. Currently, Professor Toro's research is focused on the biophysics of neurodegenerative diseases and their association to the disturbed dynamical interaction of fluid compartments in the central nervous system (arterial blood, venous blood, interstitial fluid, cerebrospinal fluid, the brain parenchyma and the lymphatic system) and their potential association to neurological diseases. More details are found in Website: eleuteriotoro.com.

Speech Title: Neurofluid Dynamics and Neuropathologies in a Holistic Framework.