



**David Rhoades, IUGG Fellow**

**NEW ZEALAND**

David Rhoades is a Principal Scientist and Geophysical Statistician at GNS Science, Lower Hutt, New Zealand. He graduated with First Class Honours in Mathematics from Victoria University of Wellington in 1970 and obtained a PhD in Mathematics from the University of Minnesota in 1976. He joined the Applied Mathematics Division of the Department of Scientific and Industrial Research as a Scientist in 1976 and was a Senior Research Manager at the New Zealand Institute for Industrial Research from 1992-1995.

David has applied statistical methods to a wide range of problems in geophysics. His main research interest is in the development, rigorous testing and application of statistical earthquake forecasting models. He is an active participant in the Collaboratory for the Study of Earthquake Predictability. After many years of collaboration with Frank Evison in testing the precursory swarm as an earthquake predictor, he developed the *“Every Earthquake a Precursor According to Scale”* medium-term earthquake forecasting model, based on the more general precursory scale increase phenomenon, which has been demonstrated to perform well in various seismically active regions of the world.

With over 100 publications in refereed scientific journals, he has served on the Editorial Boards of the Journal of Geophysical Research and Acta Geophysica. He has twice received the Otto Glogau Award from the New Zealand Society of Earthquake Engineering. In 2018 he received the inaugural Reviewer’s Award from the Bulletin of the Seismological Society of America. He is a member of the Scientific and Technical Committee of the Center for Integrated Geomorphology of the Mediterranean Region. He has served on several IASPEI Commissions and Sub-commissions in the areas of earthquake hazard and earthquake forecasting. He was Vice-President of the Asian Seismological Commission from 2000-2004. He was a national delegate to the IUGG Council and national correspondent to IASPEI from 1999-2019 and a member of the IUGG Finance Committee from 2011-2015.