

# Ian G. Buckle

Director, Center for Civil Engineering Earthquake Research  
Foundation Professor



## Office Address:

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## Education and Employment

B.E. (Hons), University of Auckland, New Zealand, 1964  
Ph.D. (Civil Engineering), University of Auckland, New Zealand, 1967  
Post-doctoral experience University of California, Berkeley, 1967-69

## Research and Academic Interests

Dr. Buckle's research interests include seismic performance of bridges, lifelines and buildings; design and retrofit criteria for bridges; earthquake protective systems for structures including the theory, hardware, and engineering applications of seismic isolation; non-seismic bridge performance for extreme loads such as thermal effects and overloads; and linear and nonlinear analytical techniques for structures subject to dynamic loads. He has conducted short courses in bridge engineering, seismic retrofitting, and the seismic isolation of highway bridges; conducted full-scale field testing and large-scale laboratory testing of structures using static and dynamic loads; and has been a member of reconnaissance teams to earthquakes in California, Japan, Taiwan, and Chile.

Dr Buckle is the lead author of the seismic provisions in the *AASHTO LRFD Comprehensive Bridge Specifications* (1998, 2007), the *AASHTO Guide Specifications for Seismic Isolation Design* (Third Ed., 2010), and the *FHWA Seismic Retrofitting Manual for Highway Structures* (2006).

## Recent Academic Appointments

- Director of the Center for Civil Engineering Earthquake Research and Foundation Professor of Civil Engineering at the University of Nevada, Reno.
- Previously, served as Deputy Vice-Chancellor (Research), University of Auckland, New Zealand and as Deputy Director of the National Center for Earthquake Engineering Research, University at Buffalo, New York (now the Multidisciplinary Center).

## Professional Service

- President, Earthquake Engineering Research Institute
- Vice Chair, Caltrans Seismic Advisory Board
- Member, Board of Directors, Nevada Earthquake Safety Council
- Immediate Past President and Chair, Board of Directors, NEES Consortium Inc.
- Past Chair, Executive Committee, ASCE Technical Council Lifeline Earthquake Engineering
- Past Chair, Transportation Research Board Committee AFF50, Seismic Design of Bridges
- Past Member, Board of Directors, Consortium of Universities for Research in Earthquake Engineering