



Fellow

Conferred on:

Brendon Bradley

CITATION:

Professor Brendon Bradley is an established and globally-known expert in the earthquake engineering-related fields of: engineering seismology, seismic hazard and risk analysis, geotechnical earthquake engineering, seismic performance and loss estimation. Brendon has been an NZSEE member since commencing graduate research in 2007 and has performed exceptional service for NZSEE in many facets.

Brendon has been on the editorial board of the NZSEE Bulletin since 2016. Brendon has (co-) authored 24 articles in the NZSEE Bulletin, and 57 publications in the NZSEE annual conferences - covering earthquake reconnaissance observations, basic research advances, and practical considerations for translating research into practice. In addition, Brendon has provided several plenary lectures at NZSEE conferences, and a video presentation as part of the 2020 NZSEE seminar series. He has also delivered several lectures as part of the NZSEE regional branch seminars.

Over the past 9 years, Brendon has delivered a Masters course on ‘seismic hazard and risk analysis’ (formerly ‘engineering seismology’) to approximately 200 people. This has led to a significant growth in the competency of the NZSEE membership and wider professional practice in the area, enabling better utilisation of seismic hazard information in design and assessment.

Brendon’s activities in research and education have been further advanced by him working closely with the public and private sector in the provision, and/or peer review, of seismic hazard and risk studies for critical infrastructure, including numerous anchor projects in the Canterbury Earthquakes rebuild (e.g., Central Library, Metro sports facility, Multi-use arena, residential precinct), and many structures and infrastructure in the wider Wellington region following the 2016 Kaikoura earthquake.

Brendon has also made contributions to the consideration of seismic hazards in the revisions of the New Zealand Earthquake Actions Standard: NZS1170.5, and the New Zealand geotechnical modules, as well as assisting several government ministries in their own internal seismic design guidance. He is also a major contributor to the current revision of the National Seismic Hazard Model.

Brendon’s exceptional services rendered to Earthquake Engineering in New Zealand makes him a very deserving candidate for Fellowship of the New Zealand Society for Earthquake Engineering.