



Universitatea Politehnica Timișoara, Facultatea de Construcții, Departamentul CMMC
vă invită la o prelegere cu titlul

A Case Against Advocating for Increased Seismic Performance Legislation for Buildings

susținută de

prof. **Gregory MacRae**

Departamentul de Inginerie civilă și a mediului
Universitatea din Canterbury, Noua Zeelandă

care va avea loc

vineri, **13 martie 2026**, ora **14:00**

în amfiteatrul **M201** al departamentului CMMC

Rezumat

After the 2010-2011 Canterbury earthquakes, the New Zealand Government has not required increased seismic resistance of general building structures throughout NZ. This paper describes a number of reasons why such an approach may be valid. Reasons for not increasing the required earthquake resistance of NZ buildings include: (i) the possibility increased economic/carbon construction costs where construction is already regarded as being excessively expensive, (ii) issues with new technology, (iii) the low (or negative) benefit, and the uncertainty, as obtained from lifecycle analyses, (iv) the ability to rebuild after an earthquake, (v) the low possibility of a major event during the life of a particular structure, (vi) other priorities in this area, and (vii) the lack of support by the people. These topics are discussed using research studies by the author, and others, in order to further stimulate debate and rational decision making.



Despre invitat:

Gregory MacRae is a professor of structural/earthquake engineering at the University of Canterbury, New Zealand. He has also worked in Japan, USA, China and India conducting earthquake engineering. He chaired the ASCE Seismic Effects Committee, was senior advisor to the World Seismic Safety Initiative board, and was the NZ representative to the International Association on Earthquake Engineering. He is active in professional organizations, boards, and editorial and standards committees. He is currently Principal Investigator for the collaborative China-NZ ILEE ROBUST Project.