



NZ Society for Earthquake Engineering Incorporated

The NZ Society for Earthquake Engineering was formed in April 1968, and through study projects, seminars, conferences and publications of *The Bulletin*, has made a significant impact on attitudes and practices for earthquake engineering.

It provides a forum for technical debate, promotes reconnaissance of local and overseas earthquakes, is involved in the evolution of relevant legislation and regulations, and contributes to planning for, response to, and recovery from, earthquakes.

The membership of the Society includes professional engineers, scientists and others having an interest in earthquake phenomena or in the effects of earthquakes.

A brief history of the Society can be obtained from their website: www.nzsee.org.nz.

Who Should Attend

The course should be of interest to structural engineers and designers, specialists in seismic assessment, design and retrofit of structures and earthquake risk in general, and to graduate students and researchers interested in the practical implementation of performance based design methodology.

Investment Details

NZSEE Members \$280 (GST exclusive) per person
 Non NZSEE Members \$365 (GST exclusive) per person - includes complimentary NZSEE membership for the balance of the NZSEE financial year.

Seminar fees include:

- Tea and coffee on arrival
- Afternoon tea
- Morning tea
- Comprehensive seminar notes
- Lunch

Optional Seminar Special

- *Displacement-Based Seismic Design of Structures* by Priestley, Calvi and Kowalsky (721pp) at a greatly reduced price (\$210 GST exclusive).

NIGEL PRIESTLEY - PhD, BE

Nigel Priestley – PhD, BE, Hon FRSNZ, DSc (Hon Causa), ETH Zurich DSc (Hon Causa) Cujo U, Argentina, FACI, FNZSEE.

Nigel is Professor Emeritus of Structural Engineering at the University of California, San Diego, co-Director Emeritus of the European Graduate School for Earthquake Engineering in Italy, and Principal of the consulting firm Priestley Structural Engineering. He has co-authored two previous best-selling texts on Seismic Design (*Seismic Design of Reinforced Concrete and Masonry Structures* (with Paulay), *Seismic Design and Retrofit of bridges* (with Seible and Calvi)). He has also published more than 700 papers and reports, principally related to seismic design, and received more than 30 international awards. Over the past 15 years he and co-researchers have been developing displacement-based seismic design, culminating in the new text:



Displacement-Based Seismic Design of Structures

by MJN Priestley, GM Calvi, MJ Kowalsky

Displacement-Based Seismic Design of Structures (721pp) is a book primarily directed towards practicing structural designers who are interested in applying performance-based concepts to seismic design. Although the book describes, in detail, a fundamentally new and coherent approach to seismic structural design, much of the information provided can be directly applied within conventional force-based design approaches.

A CD with computer programs for moment-curvature analysis, non-linear time-history analysis and fibre-based structural analysis (static, pushover and dynamic) is included with the book.

Seminar special price of \$210 (GST Exclusive) per copy

NZ SOCIETY FOR EARTHQUAKE ENGINEERING SEMINAR



Displacement-Based Seismic Design

Christchurch 28 April 2009
 Wellington 30 April 2009
 Auckland 5 May 2009

This seminar aims to introduce participants to performance-based seismic design and show how it can be implemented in the design office as a simple and rational alternative to current seismic design. It will show that serious conceptual problems with current force-based seismic design are resolved when the design is based on displacement considerations.

Presented by
 The New Zealand Society for Earthquake Engineering (NZSEE)

