

DESIGN OF CONCRETE STRUCTURES

Joint University of Canterbury
New Zealand Concrete Society Seminar
Organised by the Department of Civil Engineering
of the University of Canterbury.

The seminar will offer a state-of-the-art covering of the design of concrete structures with particular emphasis on the requirements for seismic loading. Topics considered to be well established will be covered only briefly during the seminar, while in the other areas, particularly where more recent research information has come to hand, an extended treatment will be offered.

The seminar will assist engineers to become more familiar with the New Zealand Standard Code of Practice for the Design of Concrete Structures NZS 3101:1982 and its applications. In some sessions of the seminar the presentations will be similar to those given in the seminars on NZS 3101:1982 organised in 1983 by the New Zealand Concrete Society. For this reason Technical Report No. 2 of the New Zealand Concrete Society, entitled "Applications of the New Zealand Standard Code of Practice for the Design of Concrete Structures, NZS 3101:1982", which includes a number of design examples, will be found useful. Special notes for this seminar will be prepared only for some sessions. A session on design charts and computer programs is also included.

In addition the seminar will include sessions on the design of concrete structures for the storage of liquids and on the design of concrete masonry, which will explain the background to the new codes DZ 3106 and NZS 4203P: 1985 recently issued by the Standards Association of New Zealand.

Lecturers

- R. Park, Professor of Civil Engineering,
University of Canterbury, Christchurch.
- T. Paulay, Professor of Civil Engineering,
University of Canterbury, Christchurch.
- M. J. N. Priestley, Reader in Civil Engineering,
University of Canterbury, Christchurch.
- L. Gaerty, Assistant Director, New Zealand Concrete
Research Association, Porirua.

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Seminar Programme and Lecturers

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Time	Topic	Lecturer
Wednesday 9 July 1986		
9.00-9.05	Introduction	
9.05-10.30	Session 1: General Design Requirements and Capacity Design Principles	T. Paulay
<i>Coffee</i>		
11.00-12.30	Session 2: Reinforced Concrete Members With Flexure With and Without Axial Load	R. Park
<i>Lunch</i>		
2.00-3.00	Session 3: Reinforced Concrete Members With Shear and Torsion	T. Paulay
<i>Coffee</i>		
3.30-5.00	Session 4: Reinforced Concrete Beam-Column Joints	R. Park
5.15-6.15	Social Hour	
Thursday 10 July 1986		
9.00-10.45	Session 5: Reinforced Concrete Structural Walls	T. Paulay
<i>Coffee</i>		
11.15-12.30	Session 6: Floor Slabs and Diaphragms	R. Park
<i>Lunch</i>		
2.00-3.30	Session 7: The Capacity Design of Hybrid Structures	T. Paulay
<i>Coffee</i>		
4.00-5.30	Session 8: Prestressed Concrete	R. Park
5.45-6.45	Social Hour	
Friday 11 July 1986		
9.00-10.30	Session 9: Design Charts and Computer Programs for Reinforced Concrete	L. Gaerty
<i>Coffee</i>		
11.00-12.30	Session 10: Structures for the Storage of Liquids	M. J. N. Priestley
<i>Lunch</i>		
2.00-3.30	Session 11: Masonry Structures	M. J. N. Priestley
<i>Coffee</i>		
4.00-5.30	Discussion	