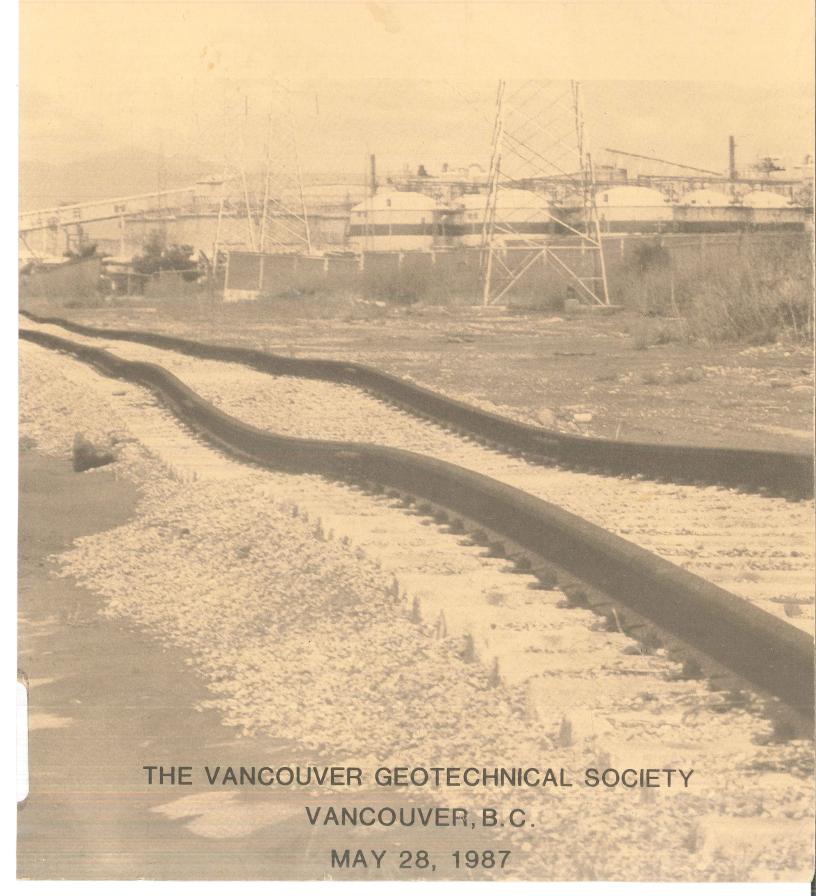


EARTHQUAKE GEOTECHNIQUE



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The Canadian Geotechnical Society



La Société canadienne de Géotechnique

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MAY 28, 1987

HOTEL GEORGIA

VANCOUVER, B.C.

PROGRAM

08:00 - 08:30 - REGISTRATION

08:30 - 11:45 - MORNING SESSION - TECHNICAL PAPERS

OPENING REMARKS

Peter C. Lighthall, Organizing Committee Chairman Klohn Leonoff Ltd., Richmond, B.C.

SEISMIC RISK IN WESTERN CANADA Dieter H. Weichert and Garry C. Rogers Pacific Geoscience Centre, EMR - Canada

GROUND MOTIONS, IMPLICATIONS FOR BUILDING CODES
Neville Donovan, Principal, Dames & Moore, San Francisco, California

10:00 - 10:15 - COFFEE BREAK

CHARACTERISTIC RESPONSE OF SOIL TO EARTHQUAKE LOADING
Peter M. Byrne, Professor, Department of Civil Engineering, U.B.C,
Vancouver, B.C.

SEISMIC RESPONSE ANALYSIS OF LEVEL SITES, EMBANKMENTS AND SOIL-STRUCTURE SYSTEMS
W.D. Liam Finn, M. Yogendrakumar and A. Nichols
Department of Civil Engineering, U.B.C., Vancouver, B.C.

11:45 - 13:15 - LUNCHEON

13:15 - 15:30 - AFTERNOON SESSION - TECHNICAL PAPERS

EARTHQUAKE DESIGN - A STRUCTURAL ENGINEERS VIEWPOINT R.H. DeVall, Sr. Design Engineer, Read Jones Christoffersen Ltd., Vancouver, B.C.

SEISMIC RISK AND GROUND IMPROVEMENT A. Wightman, K.I. Morrison and Alex SY Klohn Leonoff Ltd., Richmond, B.C.

LIQUEFACTION EVALUATION OF A DAM FOUNDED ON SLIDE DEBRIS USING BECKER PENETRATION TESTS

J.D. Cattanach, Geotechnical Engineer, B.C. Hydro, Vancouver, B.C.

POSTER PRESENTATIONS

- 1. A REVIEW OF THE PERFORMANCE OF MINE TAILINGS IMPOUNDMENTS UNDER EARTHQUAKE LOADING CONDITIONS
 Brian H. Conlin, Associate-In-Charge, Golder Associates, Vancouver, B.C.
- 2. SITE SEISMICITY AND PILE DESIGN FOR THE ALEX FRASER BRIDGE NORTH APPROACH PIERS
 Trevor P. Fitzell, Senior Engineer, Golder Associates, Vancouver, B.C.
- 3. REDUCING LIQUEFACTION POTENTIAL BY VIBRO-REPLACEMENT Don Fraser, Ministry of Transportation and Highways, Victoria, B.C.
- 4. THE ASSESSMENT OF LIQUEFACTION SUSCEPTIBILITY USING THE SEISMIC CONE PENETROMETER
 D. Gillespie, J. Howie and R.G. Campanella, Department of Civil Engineering, U.B.C., Vancouver, B.C.
- 5. NEW WESTMINSTER WATERFRONT DEVELOPMENT ON LOOSE SEDIMENTS
 G. Macleod, E. Naesgaard and J. O'Brien, Macleod Geotechnical Ltd., West Vancouver, B.C.
- 6. VANCOUVER SKYTRAIN SURREY EXTENSION SEISMIC ANALYSIS R.R. Parsons and P.E. Salt, N.D. Lea & Associates, Vancouver, B.C.

TECHNICAL PAPERS