

Department of Extension Studies
University of Canterbury

Geomechanics: In-Situ Testing

GEOMECHANICS: IN-SITU TESTING (INCLUDING GEOPHYSICAL TESTING)

Seminar

10 - 11 May 1982



Department of Extension Studies
University of Canterbury

GEOMECHANICS: IN-SITU TESTING (INCLUDING GEOPHYSICAL TESTING)

Arranged by the Departments of Extension Studies and Civil Engineering in association with the Department of Geology, University of Canterbury.

The course will present practical aspects of in-situ testing of soils and rock, to provide design parameters for underground works, including foundations, tunnels, etc. The use of probes, pressuremeters and bearing plates for soil testing will be covered. The application of stress-relief techniques in tunnel instrumentation, and other geophysical methods for soil and rock testing will be outlined.

PROGRAMME

Monday, 10 May

- 8.45 a.m. REGISTRATION
- 9.00 a.m. INTRODUCTION
Professor R. Park, Head of Department, Civil Engineering.
- 9.10 a.m. A REVIEW OF THE FIELDS FOR WHICH IN-SITU TESTS HAVE BEEN DEVELOPED
Mr T. A. Dodd.
- 10.30 a.m. Morning Tea
- 11.00 a.m. ENGINEERING APPLICATIONS OF GEOPHYSICAL METHODS
Dr J. R. Pettinga.
- 12.30 p.m. Lunch.
- 2.00 p.m. STANDARD PENETRATION TEST
DUTCH CONE TEST
SURFACE PLATE BEARING TEST
Mr M. R. Petherick
- 3.30 p.m. Afternoon Tea.
- 4.00 p.m. PRESSUREMETERS AND DOWN HOLE PLATE BEARING TESTS
Mr T. A. H. Dodd.
- 5.30 a.m. Recess.
- 5.45 p.m. SOCIAL FUNCTION.

Tuesday, 11 May

- 9.00 a.m. A GENERAL REVIEW OF IN-SITU TESTING METHODS THAT ARE APPROPRIATE FOR ROCK MASS INVESTIGATIONS INCLUDING STRESS RELIEF TECHNIQUES.
Mr P. J. Millar.
- 10.30 a.m. Morning tea.
- 11.00 a.m. LABORATORY SESSION.
- 12.30 a.m. Lunch.
- 2.00 p.m. FIELD DEMONSTRATIONS.
- 5.00 p.m. SEMINAR SUMMARY AND DISCUSSION
- 5.30 p.m. CONCLUSION.

CONTRIBUTORS

T. A. H. DODD, B.E.(Hons) (N.Z.), M.N.Z.I.E., Senior Lecturer in Civil Engineering.

P. J. MILLAR, M.E.(Hons) (Auck.), Geomechanics Engineer, Central Laboratories, Ministry of Works and Development, Lower Hutt.

M. R. PETHERICK, B.E.(N.Z.), Registered Engineer, Ministry of Works, Christchurch.

J. R. PETTINGA, B.Sc.(Auck.), Ph.D.(Auck.), Lecturer in Geology.

DATES

Monday-Tuesday, 10-11 May 1982
commencing at 8.45 a.m.

PLACE

Room E7, School of Engineering,
University of Canterbury,
Creyke Road, Christchurch.
A plan of the campus will be sent to applicants.

FEE

\$65.00 payable on application, using the attached form.

Morning and afternoon teas and lunches will be provided.

These charges are included in the fee.

CLOSING DATE

Thursday, 8 April 1982

APPLICATION

Department of Extension Studies
University of Canterbury
Christchurch

I wish to attend the seminar GEOMECHANICS: IN-SITU TESTING, 10-11 May 1982.

Enclosed is fee of \$65.00 (cheque payable to University of Canterbury).

Name: Mr/Mrs/Miss/Ms

Name of Employer

Address: (P.O. Box if possible)

Department of Extension Studies
UNIVERSITY OF CANTERBURY

GEOMECHANICS: IN-SITU TESTING

10-11 May 1982

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