ANNOUNCEMENTS

Short Course on

NUMERICAL METHODS IN GEOMECHANICS INCLUDING CONSTITUTIVE MODELLING

International Centre for Mechanical Sciences (CISM), Udine, Italy
10–14 July, 1989

The aim of this course is to present researchers and consultants working in the various branches of geomechanics with an update of the research on the development and application of numerical methods in geotechnical and foundation engineering. Particular attention will be paid to the use of non-linear material models in the analysis of complex engineering works.

The course will cover the constitutive modelling of geological media and interfaces, the dynamic analysis of saturated and anelastic soils, the numerical solution of tunnelling problems, the coupling of finite elements and boundary elements for two- and three-dimensional problems, the analysis of deep foundations, the analysis of consolidation and of two-phase problems, the numerical procedures for the interpretation of field measurements (or back analysis), and the finite element solutions of free surface seepage problems.

The people attending the course should have a soil mechanics background and should be familiar with the basis of the finite element and boundary element methods. Detailed lecture notes will be supplied during the course.

The speakers will be: Professor C. S. Desai (University of Arizona, U.S.A.); Professor D. Aubry (Ecole Centrale, Paris, France); Professor G. Gioda (University of Udine, Italy); Professor S. Sakurai (University of Kobe, Japan); Professor B. Schrefler (University of Padova, Italy); Professor I. M. Smith (University of Manchester, U.K.); Professor G. Swoboda (University of Innsbruck, Austria).

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