GEOMECHANICS AND CIVIL ENGINEERING 1990 – 1993

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Introduction

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ORCED SOIL RETAINING
e international symposium, Denver,

iversity of Colorado, Denver, USA
netic-reinforced soil retaining walls have
lent performance characteristics and
conventional walls. The proceedings
nt of two 10 ft-high geotextile reinforced
- walls'). Included in the proceedings are
erformance of the Denver walls by
countries. Among the predic- tions, 3
nod and/or strain compatibility analysis,
, 11 used the finite element methods.
400 pp. Hfl.165 / $99.00 / £61

NT PRACTICE – *Proceedings of the*
kuoka, Kyushu, 11 – 13 November 1992
ani (eds.) – Kyushu University, Japan
ave become a useful & economical
geotechnical engineering practice, such as
tabilization of slopes, reduction of earth
ques for earth reinforcement & their ap-
neering practice are developing rapidly.
mbankments; Wall structures; Slopes &

2 c.1200 pp., 2 vols. Hfl.235/$135.00/£87

R MATERIALS
is an international journal, published
chnology of polymer materials – plastic,
gs and polymer composites. The journal
nesis, characterization, morphology,
ical techniques, reaction engineering,
plication of polymers and composites in
ientation towards materials research.
s per year Hfl.195 / $110.00 / £72

NINTH ASIAN REGIONAL
MECHANICS & FOUNDATION
December 1991, Bangkok, Thailand
nes: Development of theory & practice in
gional soils & their engineering behaviour;
undations; Embankments - excavations;
ards & environmental geotechniques;
ues; etc.
vols. Hfl.575 / $300.00 / £213

Soil mechanics

NEW

GROUTING TECHNOLOGY IN TUNNELLING AND DAM CONSTRUCTION

A.V.Shroff & D.L.Shah – M.S. Univ. of Baroda, Vadodara, India

A systematic presentation of the essentials of grouting technology without going into the unnecessary details of any grouting project. Some of the important topics covered are grout mix design principles, rheological and strength aspects, theoretical and experimental developments, grouting plants and their specifications, geological investigations, drilling, monitoring of grouting, case studies on tunnelling, dam grouting and alternative applications of grouting. For better understanding of grouting principles, illustrative examples derived mainly from field studies have been given. (No rights India)

90 5410 210 1 March 1993 618 pp. Hfl.135 / $75.00 / £50

Soil mechanics

CENTRIFUGE 91 – *Proceedings of the international conference Centrifuge 91, Boulder, Colorado, 13 – 14 June 1991*

Hon-Yim Ko & Francis G.McLean (eds.) – Univ. Colorado, Boulder and US Bureau of Reclamation

The field of centrifuge testing has experienced tremendous growth in the decade of 1980's and has attained wide acceptance as a viable method of testing scale models of geotechnical structures for which gravity effects are important. A state of the art in this new field of experimental geotechnical research and highlight many new applications and new centrifuge facility developments worldwide. *Topics:* New facilities; Embankments & dams; Structures & settlements; Anchorages; Shallow & deep foundations; Ground improvement & retaining structures; Equipment for dynamic testing; Earthquakes effects; Explosive loading & dynamic soil-structure interaction; Flow processes; etc.

90 6191 193 1 June 1991 629 pp. Hfl.205 / $120.00 / £76

Soil mechanics

DEBRIS FLOW (IAHR Monograph)

T.Takahashi – Disaster Prevention Inst., Kyoto Univ., Japan

The phenomenon of debris flows itself has attracted attention of geomorphologists for more than a century as a dominant agent of dissection and formation of alluvial cones in mountain areas. It has also been the concern of engineers responsible for taming otherwise hazardous mountain ravines. The mechanical characteristics of debris flows, however, have only become the object of quantitative discussions in the last decade or so, helped by the researcher's untiring industry to see and understand the realities of debris flows. In Japan debris flow is an important object of research in science and engineering. Observation systems have been established in the basins with often occurring debris flows. *Topics:* The nature of debris flow; Mechanics of flow; Processes of occurrence, development and declination; Characteristics of fully developed flow; Processes of deposition; References.

90 5410 104 0 August 1991 156 pp. Hfl.120 / $70.00 / £45