

**GEOMECHANICS
AND
CIVIL ENGINEERING
1990 - 1993**

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A.A. BALKEMA
Rotterdam, Netherlands
Brookfield, VT, USA

TIES AND TESTING METHODS

Selected translations of Russian geotechnical

ed by R.B.Zeidler

soils embodying different kinds of organo-
of low lithification. They incorporate both peat
el deposits and marine mud. This genetic-
mechanical group of organomineral soils is
nce in the solid phase of hydrophilic compo-
ration and compressibility, the presence of
low density and low bearing capacity. The
as been formulated as an elaboration of a
l technical background for universal explora-
al and hydrophysical properties and compo-
with establishment of theoretical fundamen-
ndations for prediction of the behaviour of
t dewatering, and due to other effects. The
en possible because of the many years of the
derivation and extensive practical implementa-
aimed at investigating the properties of soft
with elaboration of special techniques for
rain conditions under varying load.

1993 192 pp. Hfl.125 / \$70.00 / £46

PECTS OF RESTORATION WORKS

*ES AND MONUMENTS – Proceedings
December 1988*

al. (eds.) – AIT, Bangkok

under 5 sections. The first section on ancient
uments contains 8 valuable contributions
damage in the valley of the Kings, the
Venice Lagoon, the ancient city of Kausambi
n Pakistan, the Buddhist temples in Thailand,
monuments in Italy, Egypt, and South Africa.
ures - Buildings and water tower; Risk
s; Rehabilitation of dams; Materials.

0 384 pp. Hfl.185 / \$105.00 / £69

ASIAN GEOTECHNICAL CON-

s, Taipei, 16 – 20 April 1990

Technology, Bangkok, Thailand). Ground
zation; Slope stability and landslides;
y; Soft ground engineering; Engineering
l mapping; Deep foundations; Soil properties
nd underground construction; etc.

2 vols. Hfl.370 / \$210.00 / £137

Geotechnology

GEOTECHNICAL APPLICATION IN CIVIL ENGINEERING

R.N.P.Arogyaswamy – Mining Consultant, India

This book emphasizes the need for close and effective cooperation of all
relevant geotechnical disciplines. These include engineering geology,
engineering geophysics, soil and rock mechanics and civil and mining
engineering. Although each of these is a recognised discipline in its own
right, each one depends to a certain extent on the other for effective
application to many engineering undertakings. The book discusses
competently natural processes, such as weathering, sedimentation,
seismotectonics, river and coastal mechanics and the hazards resulting
from these. Methods of field and laboratory study of soils and clay
minerals, field practices, and the role of geologists in engineering are also
examined.

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90 5410 208 X January 1992 313 pp. Hfl.125 / \$70.00 / £46

Geotechnology

**DEVELOPMENTS IN GEOTECHNICAL ASPECTS OF EM-
BANKMENTS, EXCAVATIONS AND BURIED STRUC-
TURES** – *Proceedings of the symposium held in 1988 and 1990 at
Bangkok on underground excavations in soils and rocks, including
earth pressure theories, buried structures and tunnels, and develop-
ments in laboratory and field tests in geotechnical engineering
practice, respectively*

A.S.Balasubramaniam et al. (eds.) – AIT, Bangkok

47 papers by experts on recent developments in geotechnical aspects of
embankments, excavations and buried structures. For ease of reference,
this volume has been divided into 5 sections: Laboratory & field tests;
Embankments, excavations, slopes & earth retaining structures; Tunnels
& buried structures; Soil & rock improvements; In situ investigation &
selected topics. The majority of papers in the first section deal with 1g &
centrifugal model tests, & they refer to a wide range of geotechnical
problems. Papers in the second section refer to laboratory model tests &
full-scale tests. A wide section of topics on buried pipelines & tunnels are
covered in section 3. Papers in section 4 relate mainly to soil improve-
ments. Section 5 is on site investigations as well as other selected topics.

90 5410 019 2 November 1991 608 pp. Hfl.245 / \$140.00 / £91

Geomechanics

GEOMECHANICS 91 – *Proceedings of an international
conference, Hradec/Ostrava, Czechoslovakia, 24 – 26.09. 1991*

Z.Rakowski (ed.) – Mining Institute of Ostrava, Czechoslovakia

The proceedings cover two main groups of papers: Stability problems
with special attention to numerical methods and the latest achievements
in water jet technology with special attention to rock cutting. Theoretical
approaches and practical experience are presented parallelly. Significant
contributions were done by famous scientists from around the world.
This book will serve very good for those interested in non linear geo-
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