

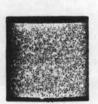
GEOMECHANICS AND CIVIL ENGINEERING 1990 – 1993

Concrete 1
Construction 3
Earthquake engineering 7
Soil mechanics 8
Geomechanics 14
Engineering geology 20
Rock mechanics 23
Mining engineering 28
Tunnelling 35
Dam engineering 36
Hydrogeology & Geochemistry 39
Index 44

Tario de la composición del composición de la co



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



Introduction

About the catalogue

The titles listed are arranged systematically as far as possible. All books are hardcover, unless otherwise specified.

All titles marked NEW are listed for the first time.

A note on the publisher

A.A. Balkema is an independent publishing house, owned by A.T. Balkema. The firm publishes about 75 new titles annually, mainly in the fields of geotecnics, mining engineering, civil engineering, hydraulics, geology, Quaternary research, palaeontology, agriculture, aquaculture, marine biology, botany (monographs on floras, plant families and genera), African studies, and history of Africa.

A special free service offered by A.A. Balkema is the publication of hardbound symposium proceedings. The complete production occurs within eight weeks, which guarantees the availability of the proceedings before the actual congress starts. These proceedings are usually in the field of geomechanics or Quaternary research and are published for international societies such as IAHR, INQUA, ISSMFE, IAEG & ISRM.

The history of A.A. Balkema Publishers goes back to 1932, when A.A. Balkema started a bookshop in Amsterdam. During the German occupation A.A. Balkema was one of the most active underground publishers, mainly of texts of a literary nature in Dutch, French and English. Even in those days much attention was given to the typographical presentation of each title. Since 1973 the office is located in Rotterdam.

An invitation to prospective authors

A.A. Balkema is an internationally oriented publishing house specializing in the publication of academic books and journals. We are able to produce these books quickly and economically. Write to A.T. Balkema of A.A. Balkema Publishers, Vijverweg 8, P.O. Box 1675, NL-3000 BR Rotterdam, Netherlands, regarding publication arrangements for conference proceedings, research projects and individual manuscripts. You will receive a prompt reply.

Editorial enquiries and manuscripts should be directed to:

A.A. Balkema, Vijverweg 8, P.O. Box 1675, NL-3000 BR Rotterdam, Netherlands *Telephone:* (+31.10) 4145822, *Telefax:* (+31.10) 4135947

Please give this catalogue to a friend or colleague when you no longer require it. © 1993, A.A. Balkema, Rotterdam. No permission is required for reproducing or photocopying any part of this catalogue.

A.A. Balkema Publishers / Rotterdam / Brookfield / 1993

Structural concrete

STRUCTURAL CO THEORY AND ITS A

A.S.G.Bruggeling – C This book presents a ne presented contains man without having recours of using terms like rein limited, as well as parti chosen, viz. 'structural dures of structures in re concrete; Properties of sion member and the te concrete; Design of stru

The practical application

ples of different structu

Apr

July

90 6191 182 6

Concrete

PREFABRICATIO!

A.S.G.Bruggeling & (
This book mainly deals
and the connection betw
presents important aspe
with the manufacturing
calculation of the important and tie models; Engine
frames or structures in pused to connect beams
structures with their sup
such a way that it can d
detailers of prefabricate
methods are discussed secommendations.

90 6191 183 4

INNOVATIVE WOL

NEW

Concrete

international symposis. Keynote lectures: The fit years experience in Euroconcrete structures; Innorelated to the modelling in orthotropic concrete to methods of rehabilitatio bondless prestressing ter struction highway bridge 90 5410 246 2 July 19

A.A.Balkema, P.O.Box 1675, NL-3000 BR F

inite element analysis to determine in membrane type rockfill dam rane type of rockfill dam has in recent years r with construction engineers in view of its ver central earth core type of rockfill dam. is largely emperical and is based on experications due to design practice being made in of each new dam. An attempt has been made pects of the design of this type of dam and a has been evolved, which is capable of predicof this type of dam, especially the stresses o a fair degree of accuracy. Topics: Introstic analysis; Nonlinear analysis; Membrane usions. (No rights India)

er 1992 334 pp.

Hfl.150 / \$85.00 / £55

AMS - GEOTECHNIKA 2 - Selected otechnical literature

zov - translated by R.B.Zeidler aniye gruntovykh plotin, Moscow, 1987. s soils filled in dam body are described & ength, deformability & permeability of those soil stress-strain & strength computations are edures for assessment of slope stability, essure, settlement & displacements, seepage methods are offered for evaluation of the res & background for geometrical & strucanalysis is discussed as a novel tool for f earth dams.

1992

304 pp.

Hfl.205 / \$120.00 / £76

roceedings of the 2nd international , Lillehammer, Norway, 16-18.06.1992

s.) - University of Trondheim wable source derived from solar radiation of ity at the present time. The planning of still a great challenge covering a wide range nvironmental issues. The present volume ghlights the ways in which hydropower can anner to meet varying demands and changing es a platform for the presentation of new iging experience of current methods of pracnderground works, technical, economic & safety; Condition monitoring of hydropower ctricity production on regional, national & ty supply; Hydropower schemes.

783 pp.

Hfl.185 / \$105.00 / £69

Hydrogeology

WELL LOGGING IN HYDROGEOLOGY

Dominique Chapellier - Inst. Geophysics, Lausanne, Switzerland The purpose of this monograph is to make available to geologists, engineers and technicians engaged in groundwater exploration, the information requisite for effectively applying the well-logging method. This book enables scientists dealing with hydrogeological problems to answer the following questions: Should I use logging? What types of logs do I need? What information can I obtain from various logs? Topics: Role of logging in hydrology; Resistivity; S.P., electrical, nuclear, gamma-ray, gamma-gamma or density, neutron, sonic log; Other accessory logs; References. (No rights India)

90 5410 207 1

March 1992

184 pp.

Hfl.135 / \$75.00 / £50

Hydrogeology

SUBSURFACE CONTAMINATION BY IMMISCIBLE

FLUIDS - Proceedings of a symposium, Calgary, Alberta, 18 - 20 April 1990

Udo Weyer (ed.) - WDA Consultants Inc., Calgary, Canada and WKC Weyer Consultants, Düsseldorf, Germany

NEW

Subsurface contamination by immiscible fluids (IMFs: Hydrocarbons lighter and heavier than water) is a complex environmental problem and of great importance for industrial societies. Soil and groundwater at many, if not most, industrial, commercial and shop sites are polluted by IMFs. These sites are difficult to investigate and monitor. They present an exceptional challenge for investigation and cleanup. The proceedings of the conference summarize the state-of-the-art in this field. 63 papers were presented by leading practioners and scientists from USA, Canada and Europe. A number of review papers are included as introduction into the main session.

90 6191 175 3

January 1993

588 pp.

Hfl.195 / \$115.00 / £72

Hydrology

NEW

TRACER HYDROLOGY - Proceedings of the 6th international symposium on water tracing, Karlsruhe, 21 - 26 September 1992 H.Hötzl & A.Werner (eds.) - University of Karlsruhe, Germany

Tracing techniques have reached an increasing importance in hydrology and hydrogeology. New fields of application arised and new methods were developed in order to meet the recent requirements. Tracers have been used for several decades to study flow conditions, for groundwater reconnnaisance and for management of water resources. Due to strong pollution of the environment water protection is one of the main issues, The application of artificial and natural tracers can help in various ways to assess and to predict contaminant transport in surface water as well as in the unsaturated ans saturated zone of the underground. Topics: New methodical developments in tracing techniques; Application of tracers in the various fields of hydrological studies including environmental problems; Use of tracer experiments for the improvement and validation of mathematical models.

480 pp.

90 5410 084 2

September 1992

Hfl.165 / \$95.00 / £61

old Post Road, Brookfield, VT 05036, USA

A.A.Balkema, P.O.Box 1675, NL-3000 BR Rotterdam, Netherlands

39