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NORDIC CONCRETE RESEARCH

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CONTENTS

	Page:
1. H. Arup	6
EMBEDDABLE REFERENCE ELECTRODES FOR USE IN CONCRETE	
2. Björn Engström	14
COMBINED EFFECTS OF DOWEL ACTION AND FRICTION IN BOLTED CONNECTIONS	
3. Göran Fagerlund	34
AIR-PORE INSTABILITY AND ITS EFFECT ON THE CONCRETE PROPERTIES	
4. Tarja Häkkinen	53
THE HARDENING PROPERTIES OF DESULPHURIZATION WASTES	
5. Harald Justnes/Bjarte Arne Øye	69
THE MICROSTRUCTURE OF POLYMER CEMENT MORTARS	
6. Matti V. Leskelä	81
PUSH-OUT TEST FOR ASSESSING THE BOND STRENGTH OF PRESTRESSING TENDONS	
7. An Li/Krister Cederwall/Johan Hedin	97
RESEARCH ON THE PARTIAL-INTERACTION COMPOSITE BEAMS	
8. Pekka Nykyri	109
ANCHORAGE OF REINFORCEMENT IN CONCRETE STRUCTURES	
9. Ervin Poulsen	124
THE CHLORIDE DIFFUSION CHARACTERISTICS OF CONCRETE. Approximative determination by linear regression analysis	
10. Mario Plos/Kent Gylltoft/Krister Cederwall	134
FULL SCALE SHEAR TESTS ON MODERN HIGHWAY CONCRETE BRIDGES	
11. Adrian Radocea	145
WATER PRESSURE IN FRESH AND YOUNG CEMENT PASTE	
12. Ralejs Tepfers	160
ANCHORAGE OF STAGGERED REINFORCEMENT	
13. Hans Stemland/Gordana Petkovic/Svein Rosseland/ Rolf Lenschow	172
FATIGUE OF HIGH STRENGTH CONCRETE	
14. Jorma Virtanen	197
FIELD STUDY ON THE EFFECTS OF ADDITIONS ON THE SALT-SCALING RESISTANCE OF CONCRETE	
15. DISCUSSION AND REPLY TO PAPERS, NCR 1989	213
16. LIST OF MINI-SEMINARS IN THE PERIOD 1980-1990	216
17. ADDRESSES	220

PREFACE

The Research Committee of the Nordic Concrete Federation presents herewith Volume 9 of the ordinary "Nordic Concrete Research", NCR 1990. It contains selected papers on concrete research carried out or concluded during 1990 in the Nordic countries.

Concerning concrete research, the Research Committee has as one of its tasks to increase the professional contact between the concrete researchers in the Nordic countries and encourage contact between them and concrete scientists worldwide.

This is done by arranging large Nordic Concrete Research meetings every third year, by yearly edition of the publication "Nordic Concrete Research" and by frequently arranging small thematic seminars, the so called mini-seminars, with invited participants.

In August 1990, the XIV the Nordic Concrete Research Meeting took place in Trondheim, Norway. A survey of the concrete research in progress was presented and a special edition of "Nordic Concrete Research" (NCR), called "NCR - Research Projects", containing short abstracts of research projects, was issued as proceedings for this meeting. This special publication may also be included in the NCR-publication series.

In an appendix to this NCR 1990 a list of the thematic mini-seminars arranged during the last ten years has been drawn up. Special publications have been produced at some of these seminars.

This publication invites scientists, also those outside the Nordic countries, to an open discussion on the papers presented.

We hope that also this edition of NCR may help to bring together the concrete scientists in the Nordic countries and those in the rest of the world.

Trondheim, November 1990

Jens Jacob Jensen
Chairman of the Research Committee

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