

## CONTENTS

FOREWORD . . . . .	iii
1. INTRODUCTION . . . . .	1
2. SESSION SUMMARIES . . . . .	3
2A. Seismic Response Analysis and Dynamic Testing, Part A . . . . .	3
2B. Seismic Response Analysis and Dynamic Testing, Part B . . . . .	4
2C. Seismic Criteria and Methods . . . . .	6
2D. Round Table Discussions . . . . .	9
3. CONTRIBUTIONS . . . . .	11
Scale-Model Study of the Seismic Response of a Nuclear Reactor Core . . . . .	13
R. C. Dove, W. E. Dunwoody, R. L. Rhorer	
HTGR Core Seismic Analysis Using an Array Processor . . . . .	33
H. Shatoff, C. M. Charman	
Seismic Design, Analysis and Testing of the HTGR MK-IVA Steam Generator . . . . .	61
J. D. Orr, R. W. Schleicher, K. J. Tong	
Seismic Qualification Using Digital Signal Processing/Modal Testing and Finite Element Techniques . . . . .	75
J. B. Steedman, A. Edelstein	
Seismic Behavior of the Core Cavern of a HTGR with Pebble Bed Core . . . . .	119
K. Kleine-Tebbe, F. Kemter	
Core Seismic Study on Experimental VHTR . . . . .	133
Y. Miyamoto, T. Ikushima, K. Tamura, T. Honma	
Safety Concept and Design of a Modular Gas Cooled High-Temperature Reactor from the Viewpoint of Externally Generated Load Cases . . . . .	147
K. Peters, U. Muller-Frank, W. Steinwarz	
A Study of Seismic Design Bases for Nuclear Power Plant in the U.S. . . . .	161
F. C. Kintzer, P. I. Yanev, H. L. Gotschall	
Dynamic-Stiffness Matrix Surface Foundation on Layered Halfspace Based on Stiffness-Matric Approach . . . . .	183
J. P. Wolf, G. R. Darbre	
Effect of Foundation Embedment on the Seismic Response of a High-Temperature Gas-Cooled Reactor Plant . . . . .	207
T. H. Lee, R. W. Thompson, C. M. Charman	
Aseismic Design of the Heysham II Nuclear Power Station . . . . .	237
J. W. Day	
4. AGENDA OF THE MEETING . . . . .	275
5. LIST OF PARTICIPANTS . . . . .	277