CONTENTS

Part I

Assessment of Turbo-Set Foundations V. Bohdanecký	1
Structural Performance Data - Their Collection, Evaluation and Utilization M. Drdácký	5
of the Romanian Latinquakes (1940, 1977, 1900, 1990)	13
Thoughts of Some Bridge Failures M. Ito	21
Defects of Steel Structures Caused by Atmospheric Corrosion D. Knotková	25
The Development of an Intelligent Knowledge Based System for the Diagnosis of Causes of Cracking in Buildings I. M. May, M. M. Alwani, W. K. Tizani	33
Safety Analysis on the Ground of Failures and Collapses of Buildings Structures L. Runkiewicz, J. W. Zieliński	49
Analysis of Building Imperfections V. Schreiber	55
Failures in Structures with Textile Mantle L. Štěpánek	59
Part II	
Failure of GRC Cladding Panels B. Clancy	67
Proof Load Testing of Damaged Structures M. Drdácký	83
Temperature Change and Aging Failures J. Krňanský, E. Burgetová, I. Holub, P. Prokop	93

State of Prestressed Truss Girders After Long Time Exposure to Environment of Plating Plant S. Modrý, P. Bouška	105
Failures of Agricultural Buildings J. Myslín	109
Consequences of Negligence at Construction of Precast Timber and Concrete Structures T. Vaněk	117
Stability Problems Associated with Joints in Precast Concrete Frames K. S. Virdi, P. Ragupathy	125
Failures of Prestressed Concrete Structures B. Voves	141
Damages on Concrete Reservoires and Cofferdams V. Weiss	147
Damage of Building Structures Caused by Fire R. Zoufal	155