

Table of Contents

Preface, Committees and Organisers

Study into the Use of Signage on Exit Choice Behaviour in a Virtual Environment A. McDaid	1
Structural Performance of Old Composite Floors Made up of Wrought Iron Joists and Masonry Vaults N. Gattesco and L. Macorini	13
Durability of Composites Based on Asphalt P. Mondschein, A. Konvalinka and P. Svoboda	25
Research of Prospective Materials for Military Protective Structures S. Rolc, J. Křest'an, D. Kopkáně, J. Štoller and P. Manas	35
On Computer Processing of Safety and Health Plans in the Construction Industry Č. Jarský and P. Gacho	43
Seismic Enhancement of Masonry Buildings Strengthened through GFRP Reinforced Mortar Coating N. Gattesco and I. Boem	53
3D Analysis of Bridges Changing Structural Systems – An Easy Design Tool V. Křístek and L. Kadlec	69
Different Approaches to Determine of the Explosion Effect, of a Homemade Explosive, on the Structure L. Figuli and Z. Zvaková	77
Damage Evolution of Concrete by Electrical Resistivity Monitoring Methods S. Lu, L.N. Zhou and Z. Wang	85
On Modelling of Chosen Activities during a Construction K. Svobodová, J. Čermák and Č. Jarský	91
Application of Cement Based Materials for Critical Infrastructure Protection J. Štoller and P. Dvořák	99
Ecological Requirements for Concrete Construction H. Kurth, K.H. Winter and V. Pospíchal	111
Proposal of Subcontractors' Evaluation Methodology after the Realisation of the Construction Project P. Mečár	119
Non-Destructive Examination of Cement Based Materials before and after Explosion Tests J. Štoller, E. Zezulová and M. Foglar	125
Building Condition Record and Cost Estimation H. Kurth, K.H. Winter and V. Pospíchal	137