## **Table of Contents**

Preface, Organizing Committee	
Alternative Additives for Improving the Functional Characteristics and Performance-Based Behavior of Asphalt Mixes in the Fine-Grained Active Filler Form T. Valentová and J. Valentin	1
The Efficiency of PVA Based Nanofiber Textile PVA Doped Silver Particles against Mold T. Houšková, Z. Rácová and P. Ryparová	10
Grid Indentation and Statistic Deconvolution: Limitations and Accuracy V. Hrbek and V. Koudelková	15
The Dependence of Concentration Copper Ions in Nanofibers (PVA) on Composition of Original Basic Electrospin Solution and on Kind of Stabilization M. Havrlík and P. Ryparová	23
Influence of Micro-Milled Secondary Materials Used as Binders in Low Level Stabilized Cold Recycled Asphalt Mixtures J. Suda and J. Valentin	29
Hydration Heat Evolution of the Cement Paste with Recycled Concrete: Influence of Grain Size Distribution of Recycled Concrete Powder J. Topič and Z. Prošek	37
Time Depend Wettability Deterioration of Plasma Treated Polymeric Macro-Fibers J. Trejbal, P. Tesárek and Š. Potocký	43
The Influence of Rainfall Humidity on the Moisture Regime of Envelope Structures with Internal Insulation K. Brambora and E. Burgetová	49
Water-Resistance of Nanofiber Textiles M. Černohorský and M. Havrlík	55
Micromechanical Analysis of Complex Structures by Nanoindentation P. Hájková and A. Jíra	60
Microstructural Analysis of Fly Ash-Based Stabilizer for Track Bed V. Lojda, T. Zikmund, K. Sojka, J. Kaiser, Z. Prošek and M. Lidmila	66
Moisture Survey of Former Convent in the Vicinity of Prague Castle J. Řehák, E. Burgetová and J. Řehák	74
Shrinkage of Cement Composite with Material Based on Waste Marble and Limestone L. Hlubocký and Z. Prošek	80
Influence of Different Fillers in Polymer Matrix of Single Roving on the Tensile Properties T. Vlach, L. Laiblová and P. Hájek	86
The Influence of the Chosen Type of Form Lubricator in the Form for Cement Paste with Fly Ash on the Fracture Process Zone B. Mužíková and P. Padevět	92
The Dependence of Mold on the Relative Humidity in Different Types of Materials Z. Rácová and P. Ryparová	98
The Dependence of the Shrinkage of the Cement Composite with Fine Ground Recycled Concrete on its Microstructure J. Hrůza, J. Topič and Z. Prošek	103