

# Contents

<b>T. Topchyan</b> Job Market Requirements and Qualities Extraction for Qualification Analysis	5
<b>V. Hovnanyan, Su. Poghosyan and V. Poghosyan</b> Method of Local Interchange for the Investigation of Gossip Problems: part 2	15
<b>S. Darbinyan and I. Karapetyan</b> On Hamiltonian Bypasses in one Class of Hamiltonian Digraphs	23
<b>V. Arakelyan</b> Secure Online Testing System for LMS Moodle	38
<b>T. Margaryan</b> The Shannon Cipher System With Correlated Source Outputs and Wiretapper Guessing Subject to Distortion	47
<b>T. Topchyan</b> Engineering Competence Frameworks and Topic Modelling	55
<b>E. Haroutunian, P. Hakobyan and A. Yesayan</b> On LAO Two-stage Testing of Multiple Hypotheses Concerning Markov Chain	63
<b>A. Abrahamyan</b> Stackelberg Security Games for Information Security Management of Financial Systems	74
<b>V. Topchyan</b> Pair Correlations Preserving Model in Synthetic Data Generation	81
<b>V. Darbinyan</b> A Probabilistic Model of User Navigation in a Digital Interactive Publication	93
<b>S. Manukian</b> On an Algebraic Classification of Multidimensional Recursively Enumerable Sets Expressible in Formal Arithmetical Systems	103
<b>A. Avetisyan and L. Hakobyan</b> An Automated System for Correction of Rules of Transformation from Universal Networking Language into Natural Language	114
<b>H. Bantikyan</b> Image Denoising Using Wavelet Transform and CUDA	122
<b>L. Hakobyan</b> A Method of Constructing and Using the Tree of Possible Transformations from UNL to the Natural Language	131