CONTENTS

TRANSPORT TECHNICS, INVESTIGATION OF ELEMENTS, RELIABILITY
UTILIZATION OF INNOVATIVE TECHNIQUES IN ULTRA-LIGHT AUTOMOBILE PRODUCTION
Prof. Ing. Brezinová J. PhD., Ing. Kender Š. PhD. .......................................................................................................................................... 102

A SKY-HOOK CONTROL CONCEPT OF VEHICLE ACTIVE SUSPENSIONS
Assoc. Prof. Hyniova K. ................................................................................................................................................................................... 106

AN ALTERNATIVE DESIGN OF TESTING BENCH FOR DYNAMIC WHEEL CORNERING FATIGUE TESTS
Sakota Zeljko PhD., Kostic Dimitrije ................................................................. 110

INTERACTION BETWEEN ROLLING STOCK AND RAILWAY TRACK WITH OF THE ELASTIC PROPERTIES OF THE BASE
Prof. Dr. Myamlin S., Assoc. Prof. Dr. Bondarenko I. ............................................................ 113

TRANSPORT. SAFETY AND ECOLOGY. LOGISTICS AND MANAGEMENT
DEVELOPMENT OF THE MARKET OF AVIATION TRANSPORTATION IN UKRAINE: PROBLEMS AND PROSPECTS
Zhavoronkova G.V., Doctor of Economic Sciences, Professor, Zhavoronkov V.O., PhD (Economics), Associate Professor,
Volvach N.N., graduate student ........................................................................................................ 116

RUMOBIL – PUBLIC TRANSPORT SOLUTIONS IN SPARSELY POPULATED REGIONS

OPERATING LONG DISTANCE RAIL TRANSPORT ON BRATISLAVA – BANSKA BYSTRICA LINE BY PRIVATE RAILWAY UNDERTAKING

METHODOLOGY FOR RATING QUALITY STANDARDS IN REGIONAL PASSENGER RAIL TRANSPORT

A PORT COMMUNITY SYSTEM OF GEORGIA AND ITS ROLE IN WORLD MARITIME TRANSPORT
Prof. Dr. Purtskhvanidze G.,Assoc.Prof. Dr. Gvetadze V.,Doctoral candidate Varshanidze A., Master Turmanidze T. ................................ 131

THE NUMERICAL INVESTIGATION OF HIGH SPEED TRAIN-TUNNEL INTERACTION AT ENTRANCE AND EXIT
Res.Assist. Ahmet Y., Res.Assist. Taner Ç., Prof. Dr. Nurten V. .......................................................... 135

VEHICLE ENGINES. APPLICATION OF FUELS TYPES. EFFICIENCY
LIQUID FUEL TEMPERATURE, PRESSURE AND INJECTION RATE INFLUENCE ON INJECTOR NOZZLE REYNOLDS NUMBER AND CONTRACTION COEFFICIENT
PhD. Mrzljak Vedran, Student Čarković Botjica, Prof. PhD. Prpić-Oršić Jasna ........................................................................................................ 138

THE EFFECT OF N-BUTANOL ADDITIONS TO DIESEL FUEL ON ENGINE PERFORMANCE AND EXHAUST EMISSIONS
Prof. Labeckas G. PhD., Prof. Slavinskas S. PhD. .................................................................................. 142

RESEARCH OF USING THE ALTERNATIVE FUELS FOR IMPROVING THE INDICATORS OF THE TRACTOR DIESEL WORK
L.V. Denezhko, A.A. Sadov, A.D. Ustyugov, I.M. Milstein ................................................................. 146