

LIST OF PAPERS

KAZIMIERZ BACZEWSKI, PIOTR SZCZAWIŃSKI, MILENA KAMIŃSKA EXPERIMENTAL TESTING OF INFLUENCE OF COMMERCIAL DEPRESSANTS ON DIESEL FUELS LOW TEMPERATURE PROPERTIES	7
MACIEJ BILSKI THE ROLE OF TRANSPORT IN SELECTED EUROPEAN MARINAS PART ONE	15
MACIEJ BILSKI THE ROLE OF TRANSPORT IN SELECTED EUROPEAN MARINAS PART TWO	21
WAŁAW BORKOWSKI, PIOTR RYBAK, ZDZISŁAW HRYCIÓW, LECH STARCZEWSKI, MICHAŁ GMITRZUK, KRZYSZTOF SZCZEŚNIAK RESEARCH ON THE EFFECTIVENESS OF THE INNOVATIVE PROTECTIVE STRUCTURE FOR VEHICLES	29
WAŁAW BORKOWSKI, PIOTR RYBAK, ZDZISŁAW HRYCIÓW, JÓZEF WYSOCKI, BOGUSŁAW MICHAŁOWSKI, ANDRZEJ WIŚNIEWSKI THE RESEARCH ON DYNAMIC LOADS AND TRACTION PROPERTIES OF MILITARY VEHICLES IN THE ASPECT OF IMPROVEMENT OF THEIR STRUCTURES	37
MACIEJ CHMIELEWSKI, MARIAN GIERAS SMALL GAS TURBINE GTM-120 BENCH TESTING WITH EMISSION MEASUREMENTS	47
ADRIAN CHMIELEWSKI, PIOTR SZURGOTT MODELLING AND SIMULATION OF REPEATED CHARGING/DISCHARGING CYCLES FOR SELECTED NICKEL-CADMIUM BATTERIES	55
ZBIGNIEW CIEKOT, ZBIGNIEW SMOCZYŃSKI SAFETY OF CREWS AND SZ RP VEHICLES EXPOSED TO THE IMPACT IN ASYMMETRIC ENVIRONMENT	63
EDWARD CYPKO, STANISŁAW KOWALCZYK RESEARCH OF SELECTED TECHNOLOGICAL FACTORS INFLUENCE ON ADHESIVE-BONDED JOINT PROPERTIES	75
MACIEJ DORCZUK PARAMETERS CHARACTERISTIC FOR THE STABILISATION SYSTEMS FOR WEAPON MODULES	83
ALEKSANDR A. DOLOTOV, ARKADII V. POBEDIN, AZAMAT I. ISKALIEV, PAVEL V. POTAPOV VYACHESLAV A. BEZVERHOV METHOD OF EVALUATION OF THE PROBABILISTIC DISPERSION OF TRACTION AND TRANSPORT VEHICLES ESTIMATED NOISINESS	91
ROMAN GAŚSIOR, KRYSZTIAN KUCHARCZYK DEVELOPMENT OF CONSTRUCTIONS OF ELECTRICAL EQUIPMENT AND FUEL SYSTEMS FOR SPECIAL-PURPOSE VEHICLE BASED ON THE SOLUTIONS OF ZAKŁAD DOŚWIADCZALNY BISKUPIEC SP. Z O.O.	95

KRZYSZTOF GOCMAN, TADEUSZ KALDOŃSKI, ARTUR KRÓL, BOLESŁAW GIEMZA THE EFFECT OF LASER SURFACE MODIFICATION ON PERMEABILITY AND LOAD CAPACITY OF POROUS SLEEVES	107
WITOLD GRZEGOŻEK, MARIUSZ DOMAGAŁA ULTRA LIGHT VEHICLE FOR DISABLE PEOPLE	115
ALEXEY V. KALMIKOV, NICKOLAY S. SOKOLOV-DOBREV, VICTOR V. SHEKHOVTSOV, MICHAIL V. LJASHENKO, PAVEL V. POTAPOV DECREASING OF DYNAMIC LOADING OF TRACTOR'S POWERTRAIN BY MEANS OF CHANGE OF REACTIVE ELEMENT TORSIONAL STIFFNESS	127
TOMASZ JAN KALDOŃSKI, TADEUSZ KALDOŃSKI, MONIKA ZAŁĘSKA-RADZIWIŁŁ, ZENON PAWLAK ECOTOXICITY OF IONIC LIQUIDS AS LUBRICANTS	135
TOMASZ JAN KALDOŃSKI, WIKTOR PIECEK, TADEUSZ KALDOŃSKI, ZENON PAWLAK IDENTIFYING OF THERMOTROPIC LIQUID CRYSTAL PHASE AND ITS INFLUENCE ON LUBRICITY OF IONIC LIQUIDS	143
KAZIMIERZ KOLIŃSKI WORK STUDY CATALITIC CONVERTER DURING STARTING A COLD ENGINE	157
WŁODZIMIERZ KUPICZ, PRZEMYSŁAW SIMINSKI OPERATIONAL TESTS OF BRAKING SYSTEMS FOR HIGH MOBILITY VEHICLES	167
MONIKA KURPAS MARIAN HOŁOTA TRANSFORMATION OF THE T-72 MAIN BATTLE TANKS	173
MIKHAIL V. LIASHENKO, ALEXANDER P. CHEBANENKO, VICTOR V. SHEKHOVTSOV ANALYSIS OF THE DRIVE CONSTRUCTIONS OF EXTRA-LOW PRESSURE RUBBER-TIRED PROPELLERS OF THE VEHICLES FOR CARRYING GOODS	181
WITOLD LUTY INFLUENCE OF THE TIRE RELAXATION ON THE SIMULATION RESULTS OF THE VEHICLE LATERAL DYNAMICS IN ASPECT OF THE VEHICLE DRIVING SAFETY	185
JERZY MAŁACHOWSKI, JAKUB BUKALA, KRZYSZTOF DAMAZIAK, MICHAŁ TOMASZEWSKI LS-DYNA CONTACT PROCEDURE ANALYSIS FOR SELECTED MECHANICAL SYSTEMS	193
MICHAŁ MANIOWSKI OPTIMIZATION OF DRIVING TECHNIQUE OF RWD RACING CAR FOR FASTER CORNERING	203
KATARZYNA MARKOWSKA A SAMPLE MODEL OF A LOGISTICS CENTRE AND THE PLAN OF ITS STAGES OF DESIGN FROM BOTH A SUBJECTIVE AND OBJECTIVE APPROACH	211
JERZY MERKISZ, JACEK PIELUCHA REAL DRIVING EMISSIONS – VEHICLE TESTS IN VARIABLE TERRAIN	217
ARKADIUSZ MEŻYK, TOMASZ CZAPŁA, WOJCIECH KLEIN EDYTA KRZYSTAŁA, GRZEGORZ GEMBALCZYK, DAMIAN DOMAGAŁA, OLAF DUDEK MODERN TENDENCIES IN THE DESIGN OF AUTONOMOUS UTILITY VEHICLES	227

WOJCIECH NAPADŁEK, ADAM WOŹNIAK, WOJCIECH CHRZANOWSKI THE APPLICATION OF LASER TEXTURING IN SURFACE LAYER PATTERNING OF THE COMBUSTION ENGINES ELEMENTS	235
SUNNY NARAYAN CORRELATION BETWEEN CYLINDER PRESSURE AND NOISE EMISSIONS FROM DIESEL ENGINES	243
TOMASZ NIKISZ, PIOTR STRYJEK MODERN DIDACTIC SUPPORT – SIMULATORS, LINK TRAINERS – IN PROCESS OF CADRE TRAINING	255
ARKADII V. POBEDIN, ALEKSANDR A. DOLOTOV, AZAMAT I. ISKALIEV, PAVEL V. POTAPOV RESEARCH OF NOISE IN TRACTOR K700 CABIN	261
ROMAN WANTOCH-REKOWSKI, JAROSŁAW KOSZELA DESIGNING ADVANCED VEHICLE TRAINERS USING VIRTUAL SIMULATION TECHNOLOGY	265
EVGENIJ A. SALYKIN, VIKTOR M. SLAVUTSKIJ, VALENTIN I. LIPILIN, DENIS S. BEREZJUKOV, ALEKSEJ A. SKOROBOGATOV MODERNIZATION OF THE DIRECT OPERATION FUEL FEEDING SYSTEM OF DIESEL ENGINE	273
KIRILL V. SHEKHOVTSOV, NICKOLAY S. SOKOLOV-DOBREV, ARKADY V. POBEDIN MIKHAIL V. LJASHENKO, VICTOR V. SHEKHOVTSOV, PAVEL V. POTAPOV DECREASING OF VIBRATION LOAD LEVEL ON TRACTOR OPERATOR’S WORKING PLACE BY MEANS OF USING OF VIBRATIONS DYNAMIC DUMPERS IN CABIN SUSPENSION	277
SHEVCHYUK V. PETROVIVH, SHEKHOVTSOV V. VIKTOROVICH, KRIVOSHEEV N. VYACHESLAVOVICH THE CHOICE OF MOTOR – TRANSMISSION INSTALLATION FOR THE PIPE LAYER	285
ROBERT SOSNOWICZ FIREFIGHTING SYSTEMS IN MILITARY VEHICLES	289
PIOTR STRYJEK, TOMASZ NIKISZ, KRZYSZTOF OMYLIŃSKI, JERZY EJSMONT INNOVATIVE RUN FLAT SYSTEMS	299
ZDZISŁAW TRZASKA IMPACT OSCILLATORS: FUNDAMENTALS AND APPLICATIONS	307
TOMASZ MIROSLAW PROBLEMS OF OPTOELECTRONIC SENSOR IN APPLICATION FOR ARMED VEHICLE STAFF SAFETY AND ERGONOMIC IMPROVEMENT	315