

A - OPERATION AND ECONOMICS

- ASSESSING THE ENERGY EFFICIENCY OF AN ELECTRIC CAR** A1
F. Synák, M. Kučera, T. Skrúcaný
- INFLUENCE OF SELECTED FACTORS ON IMPLEMENTATION OF THE PPP PROJECTS IN TRANSPORT** A14
B. Zagożdżon, A. Rogowski
- THE TRANSPORT SERVICE OF SMALL TOWNS** A21
J. Gnap, J. Kupčuljaková, L. Černický, G. Dydkowski
- ANALYSIS OF TRANSPORTATION COMPANIES IN THE CZECH REPUBLIC BY THE KOHONEN NETWORKS - IDENTIFICATION OF INDUSTRY LEADERS** A32
J. Horák, P. Šuleř, J. Vrbka
- MODELLING OF THE TRAFFIC FLOW BASIC CHARACTERISTICS AT THE ROAD NETWORK SELECTED SECTION** A44
A. Kalašová, S. Skřivánek Kubíková, V. Harantová
- CONSOLIDATION OF CARGOS IN THE ROAD TRANSPORT AS A KEY METHOD TO SUCCESS** A54
Z. Łukasik, A. Kuśmińska-Fijałkowska, J. Kozyra, S. Olszańska
- OPTIMISATION OF DISTRIBUTION ROUTES: A CASE STUDY** A62
R. Kampf, M. Hlatká, P. Gross

B - MECHANICAL ENGINEERING

- INFLUENCE OF THE LOAD DISTRIBUTION AND SIZES ON THE WHEEL GEOMETRY IN PASSENGER CARS** B1
J. Gonera, J. Napiórkowski, K. Ciborowski
- ANALYSIS OF TRAFFIC NOISE IN TWO CROSS-SECTIONS AT THE ROAD CROSSING THE CITY** B13
A. Bąkowski, L. Radziszewski
- DYNAMIC PROPERTIES AND WEAR ANALYSIS OF A RAIL VEHICLE WITH WHEELS' SELF-LUBRICATING COATINGS** B22
R. Melnik, A. Chudzikiewicz, S. Koziak, M. Opala, J. Dižo
- MODELLING OF CRITICAL VELOCITIES OF THE CARDAN MECHANISM USING TRANSFER MATRIX METHOD** B33
P. Hrubý, T. Náhlik
- AN EXAMPLE OF REPARATORY SURFACE WELDING OF THE MINING MACHINE VITAL PART** B39
D. Arsić, R. Nikolić, V. Lazić, S. Aleksandrović, L. Radović, N. Ilić, B. Hadzima
- DEVELOPMENT OF A METHOD FOR DIAGNOSING INJECTORS OF DIESEL ENGINES** B46
I. Gabitov, A. Negovora, S. Nigmatullin, A. Kozeev, M. Razyapov

CALCULATION OF THE VEHICLES STRESS-DEFORMED STATE WHILE TRANSPORTING THE LIQUID CARGO B58
O. Grevtsev, N. Selivanova, P. Popovych, L. Poberezhny, O. Shevchuk, I. Murovanyi, A. Hrytsanchuk, L. Poberezhna, V. Zapukhliak, G. Hrytsuliak

USE OF THE BEZIER CURVES FOR A VEHICLES DRIVING CYCLES' MODELING B65
V. Dembitskyi

C - ELECTRICAL ENGINEERING

DESIGN AND CONSTRUCTION OF HIGH-QUALITY CAPACITOR FOR HIGH FREQUENCY AND POWER APPLICATION C1
M. Zavřel, V. Kindl, T. Kavalír, P. Drábek

OPTIMIZED CONTROL OF ENERGY FLOW IN AN ELECTRIC VEHICLE BASED ON GPS C7
M. Danko, B. Hanko, P. Drgoňa

ESTIMATING THE POSITION OF AN IMAGE WITH UNKNOWN INTENSITY SHAPE C15
Y. E. Korchagin, V. N. Vereshchagin, A. V. Terekhov, K. A. Melnikov

D - CIVIL ENGINEERING IN TRANSPORT

TECHNICAL FEASIBILITY OF DECEIT WHILE A VEHICLE IS WEIGHED IN MOTION WITH A VERY LOW SPEED D1
Z. Lozia

METHOD OF THE FINITE-ELEMENT MODEL FORMATION CONTAINING THE 3D ELEMENTS FOR STRUCTURAL CALCULATIONS OF THE REINFORCED CONCRETE STRUCTURES CONSIDERING THE CRACK OPENING D15
S. N. Nazarenko, G. A. Grudcina

E - MANAGEMENT SCIENCE AND INFORMATICS

IMPROVING INITIAL POPULATION FOR GENETIC ALGORITHM USING THE MULTI LINEAR REGRESSION BASED TECHNIQUE (MLRBT) E1
E. Alkafaween, A. B. A. Hassanat, S. Tarawneh

STUDY ON THE VEHICLE LINEAR DYNAMIC INTERVAL IN A TRAFFIC FLOW E11
O. F. Danilov, V. I. Kolesov, D. A. Sorokin, M. L. Gulyaev

F - SAFETY AND SECURITY ENGINEERING

"ROAD SAFETY SEQUENCE" - A NEW CONCEPT OF THE ROAD SAFETY MANAGEMENT IN POLAND F1
A. Szymanek

SAFETY OF OPERATION AND MAINTENANCE ACTIVITIES OF ROLLING STOCKS BY THE EXAMPLE OF ELECTRIC MULTIPLE UNITS EN96 F11
A. Kalinowski, N. Radek, J. Bronček

OPTIMAL ROUTE DETERMINATION TO PROVIDE RELIEF FOLLOWING AN EARTHQUAKE USING THE TRAFFIC DENSITY RATIO (CASE STUDY: ISFAHAN'S FIRE STATIONS) F20
S. A. Almasi, M. M. Khabiri, M. F. Tafti, M. Akbarzadeh