



INTRODUCTORY LECTURES

MVM2016-IL1	Dušan Gruden	DESIGN FOR RECYCLING – THINKING OF THE END AT THE BEGINNING
MVM2016-IL2	Ralph Pütz	THE VEHICLE AS A KEY FACTOR IN TRANSPORTATION ON THE EVE OF AN EPOCHAL PARADIGM SHIFT

SECTION A Power Train Technology

MVM2016_009	Slobodan Mišanović Slaven Tica Željko Milković Pavle Krstić Branko Milovanović	ECOLOGY AND ENERGY ASPECTS OF EXPLOITATION FULLY ELECTRICAL BUSES ON THE NEW LINE IN PUBLIC TRANSPORTATION BELGRADE
MVM2016_010	Rosen Hristov Krasimir Bogdanov Radostin Dimitrov	RESEARCH THE INFLUENCE OF SPARK PLUGS TYPES ON THE PERFORMANCE OF THE ENGINE OPERATING ON GASEOUS FUELS
MVM2016_013	Boran Pikula Dževad Bibić Ivan Filipović Mirza Smailbegović	ELECTRIC KARTING – FROM AN IDEA TO THE REALISATION
MVM2016_017	Nebojša Nikolić Jovan Dorić Nenad Raspopović	INFLUENCE OF AIR LEAKAGE IN THE AIR-INTAKE SYSTEM ON SOME OPERATION PARAMETERS OF AN AUTOMOBILE SPARK-IGNITION ENGINE
MVM2016_018	Jovan Dorić Nebojša Nikolić Stjepan Galamboš	UNCONVENTIONAL FLAT DOUBLE ACTING I.C. ENGINE
MVM2016_023	Branka Grozdanić Velimir Petrović Zlata Bračanović Đuro Borak	INSTALLED POWER ON PTO AS PROPERTIES FOR FAIR TRACTOR AGGREGATING
MVM2016_025	Zlata Bračanović Velimir Petrović Branka Grozdanić Đuro Borak	INFLUENCE OF MIXING AIR AND FUEL ON USAGE EFFICENCY IN DIESEL ENGINE HEATER
MVM2016_032	Almir Blažević Ivan Filipović Dževad Bibić Boran Pikula	POSSIBILITIES OF USING DYNAMIC TORSIONAL VIBRATION DAMPERS WITH SPRINGS IN IC ENGINES FOR ROAD VEHICLES
MVM2016_033	Mikhail G. Shatrov Leonid N. Golubkov Andrey U. Dunin Pavel V. Dushkin Andrey L. Yakovenko	HYDRODYNAMIC EFFECTS IN COMMON RAIL FUEL SYSTEM IN CASE OF MULTIPLE INJECTION OF DIFFERENT FUELS
MVM2016_035	Saša Milojević Radivoje Pešić Dragan Taranović	FIRE PROTECTION OF BUSES ON NATURAL GAS EXPERIENCES

MVM2016_041	Zlatomir Živanović	PERSPECTIVES OF APPLICATION OF FUEL CELL ELECTRIC BUSES – SOME EXPERIENCES FROM THEIR OPERATION
MVM2016_044	Dragan Taranović Slobodan Mišanović Radivoje Pešić Slaven Tica	DEVELOPEMENT TENDENCIES FOR ELECTRICITY STORAGE SYSTEMS USED ON BUSES WITH PURE ELECTRIC DRIVE
MVM2016_045	Ivan Grujić Dragan Taranović Radivoje Pešić Nadica Stojanović	ECONOMIC ANALYSIS OF APPLICATION OF HYBRID DRIVE TRAINS IN VEHICLES
MVM2016_046	Nenad Kostić Nenad Marjanović Nenad Petrović	A NOVEL APPROACH FOR SOLVING GEAR TRAIN OPTIMIZATION PROBLEM
MVM2016_048	Vanja Šušteršič Dušan Gordić Mladen Josijević Vladimir Vukašinović	APPLICATION AND DESIGN OF HYDROTRANSMISSION FOR TRACTORS
MVM2016_059	Milan Bukvić Živojin Petrović Blaža Stojanović Saša Milojević	MODELS AND SIMULATIONS OF TRANSMISSION OF HYBRID AND ELECTRIC VEHICLES

SECTION B

Vehicle Design and Manufacturing

MVM2016_008	Aleksandar Poznić Danijela Miloradović Dejana Herceg	ON MAGNETORHEOLOGICAL MULTI-POLE MULTI-T-ROTOR BRAKE FEM MODELLING
MVM2016_042	Marko Denić Zorica Đorđević Vesna Marjanović Nenad Petrović Nenad Kostić	COMPARATIVE COMPOSITE AND CONVENTIONAL DRIVE SHAFT ANALYSIS
MVM2016_053	Aleksandar Radaković Dragan Milosavljević Gordana Bogdanović Dragan Čukanović Vladimir Geroski	FREE VIBRATIONS ANALYSIS OF COMPOSITE LAMINATE PLATES USED IN AUTOMOTIVE INDUSTRY
MVM2016_054	Gordana Bogdanović Dragan Milosavljević Aleksandar Radaković Dragan Čukanović Vladimir Geroski	ACOUSTICAL TENSOR AND ELASTIC WAVE PROPAGATION IN ANISOTROPIC MATERIALS USED IN AUTOMOTIVE INDUSTRY
MVM2016_055	Mališa Cvetković Miloš Matejić Mirko Blagojević	RAPID PROTOTYPING OF CYCLOID DISC

SECTION C

Vehicle Dynamics and Intelligent Control Systems

MVM2016_003	Slavica Mačužić Danijela Miloradović Jovanka Lukić Jasna Glišović	FEM MODELLING OF MCPHEARSON SUSPENSION SYSTEM
-------------	--	---

MVM2016_006	Igor Saveljić Slavica Mačužić Nenad Filipović	NUMERICAL ANALYSIS OF BRAKE DISCS WITH DIFFERENT ANGLES OF BLADE INCLINATION
MVM2016_011	Rajko Radonjić Danijela Miloradović Dragoljub Radonjić	MODELING OF ROAD ROUGHNESS A BASE FOR VEHICLE PERFORMANCES OPTIMIZATION
MVM2016_012	Rajko Radonjić Danijela Miloradović Aleksandra Janković Dragan Taranović	INVESTIGATION OF VEHICLE RESPONSE TO DRIVER CONTROL
MVM2016_020	Nabil Khetrou Aleksandar Grkic Slavko Muzdeka	MODELLING AND VALIDATION OF GROUND VEHICLE DYNAMICS USING MULTIBODY SIMULATION
MVM2016_036	Boris Stojić Aleksandar Poznić	RESEARCH AND MODELLING OF TRACTOR TYRE RADIAL DEFLECTION AND GROUND CONTACT LENGTH RESPONSE TO VERTICAL LOAD
MVM2016_060	Marko Topalović Vladimir Milovanović Aleksandar Dišić Ana Pavlović Miroslav Živković	NUMERICAL SIMULATIONS FOR ADDRESSING FLAWS IN THE FREIGHT WAGON DESIGN, ACHIEVING GOAL OF INCREASED EXPLOITATION FUNCTIONALITY
MVM2016_062	Milan Blagojević Miroslav Živković Saša Jovanović	CALIBRATION CERTIFICATION OF VEHICLE WHEEL ALIGNMENT LINE USING PHOTOGRAMMETRY

SECTION D

Driver/Vehicle Interface, Information and Assistance Systems

MVM2016_002	Zoran Marjanović Miomir Raos Jelena Milenović Nikolić	ECOLOGICAL CHARACTERISTICS OF ALTERNATIVE MOTOR VEHICLES
MVM2016_005	Igor Saveljić Slavica Mačužić Nenad Filipović	NUMERICAL ANALYSIS OF THE CHILD LUMBAR SPINE MOVEMENTS IN THE MOTOR VEHICLE CRASH
MVM2016_007	Zoran Papić Vuk Bogdanović Goran Šetin Nenad Saulić	ESTIMATION OF EES VALUES BY VEHICLE 3D MODELING
MVM2016_015	Stjepan Galamboš Jovan Dorić Dragan Ružić	WIND EFFECTS ON THE AGRICULTURAL SPRAYING USING CFD SIMULATIONS
MVM2016_016	Novikov Aleksandr Nikolaevich Katunin Andrev Aleksandrovich Tebekin Maxim Dmitrievich	MODERN METHODS OF DIAGNOSING THE TECHNICAL CONDITION OF BALL JOINTS
MVM2016_027	Lozica Ivanović Slavica Miladinović Blaža Stojanović Miloš Matejić	APPLICATION OF MAGNETIC TRANSMISSION IN AUTOMOTIVE INDUSTRY
MVM2016_030	Marko Tanasijević Jovanka Lukić	MODERN HVAC SYSTEMS IN SMALL AND MEDIUM SIZE BUSES
MVM2016_047	Aleksandar Peulic Zeljko Jovanovic	SMART SYSTEM FOR COMFORT PREDICTION AND ACTIVE SUSPENSIONS CONTROL

MVM2016_057	Danijela Miloradović Jasna Glišović Jovanka Lukić	REGULATIONS ON ROAD VEHICLE NOISE – TRENDS AND FUTURE ACTIVITIES
MVM2016_058	Dragan Ružić Stjepan Galamboš	THERMAL RADIATION BETWEEN THE DRIVER AND THE VEHICLE CABIN INTERIOR
MVM2016_061	Nadica Stojanović Jovanka Lukić Jasna Glišović Ivan Grujić	NUMERICAL ANALYSYS OF HIGH FREQUENCY NOISE OF DISC BRAKES FOR HEAVY DUTY VEHICLES
MVM2016_065	Ivan Krstić Ranko Božićković Vojislav Krstić Božidar Krstić	AUTOMATIZATION PROCESS OF GIVING DIAGNOSIS MOTOR VEHICLES

SECTION E

Transport Challenges in Emerging Economies

MVM2016_001	Perić Sreten Nedić Bogdan Stoiljković Mile Antunović Ranko	THE ANALYTICAL COMPOSITION OF THE BIODEGRADABLE UNIVERSAL TRACTOR OIL BASED ON THE VEGETABLE OILS
MVM2016_004	Slobodan Mišanović	DETERMINATION THE NORMS OF FUEL CONSUMPTION FOR BUSES IN THE PUBLIC TRANSPORTATION IN REAL CONDITIONS OF EXPLOITATION
MVM2016_034	Stevan Jovanović Dragan Knežević	THE COMPARATIVE ANALYSIS OF THE CUMULATIVE COSTS OF THE DIFFERENT DIESEL BUS ALTERNATIVES IN THE PUBLIC TRANSPORT OF BELGRADE
MVM2016_038	N. Ramesh Babu Harish M.	A STUDY OF RURAL PUBLIC TRANSPORT SYSTEM – A CASE STUDY OF MYSORE AND CHAMARAJANAGAR DISTRICTS
MVM2016_040	Isak Karabegović Ermin Husak	CHINA AS A LEADING COUNTRY IN THE WORLD IN AUTOMATION OF AUTOMOTIVE INDUSTRY MANUFACTURING PROCESSES
MVM2016_052	Snezana Petkovic Valentina Golubovic- Bugarski Zeljko Djuric Branko Miladinovic	IMPROVEMENT OF VEHICLE INSPECTION TECHNOLOGY BY INTRODUCING INTEGRATED INFORMATION SYSTEM
MVM2016_063	Darko Stanojević Nenad Lužanin Miloš Vasić Nada Stanojević	CONTRIBUTION TO THE CONSIDERATION OF SIGNIFICANCE OF HYBRID BUSES IMPLEMENTATION IN CITY TRAFFIC COMPANIES
MVM2016_064	Radivoje Pešić Snežana Petković Emil Hnatko Radmilo Stefanović Stevan Veinović	MISUSE OF ECOLOGY
MVM2016_066	Vojislav Krstić Boris Antić Srdjan Jović Božidar Krstić	ESTABLISHING THE ROUTES FOR TRANSPORTATION OF HAZARDOUS GOODS ON THE BASIS OF THE RISK LEVEL