

ACCEPTED PAPERS FOR THE **VSDIA 2018**

Status: October 29, 2018

Final Registration Form Received = **REG**

No	Name(s) of the Autor(s)	Nationality	Title of Paper Offer	Session	
REG	1.	Prof. Vilmos ZOLLER	HUNGARY	Analysis of the Track/Vehicle Interaction with Regard to the Coupling with the Sub-grade Dynamics	RAIL
REG	2.	Prof. László POKORÁDI and Dr. Tímea LÁZÁR-FÜLEP	HUNGARY	Dependability of Vehicle Systems with Complex Interconnections	BASIC
REG	3.	Prof. László POKORÁDI and Mr. Vilmos SOMOSI	HUNGARY	Graph-Theoretical Investigation of Vehicle and Transportation Systems	BASIC
REG	4.	Prof. Ferenc KOLONITS	HUNGARY	Possible Cause of an Internal Level Crash, '95 Kobe Eq	BASIC
REG	5.	Prof. István ZOBORY and Prof. Dezső NAGY	HUNGARY	Creep Control in Brake Operation to Avoid Wheel Sliding and Flattening	RAIL
REG	6.	Dr. Zoltán ZÁBORI and Prof. István ZOBORY	HUNGARY	Track Qualification Method by Using a System Dynamics Based Parameter Identification Procedure	RAIL
REG	7.	Mr. Van Tan VU, Prof. Olivier SENAME, Prof. Luc DUGARD; Mr. Thanh-Phong PHAM, Mr. Tat Thang PHAM and Mr. Van Phong DINH	VIETNAM + FRANCE	H _∞ /LPV Active Braking Control System to Prevent Rollover of Heavy Vehicles	CONT
REG	8.	Ms. Henrietta LENGYEL and Prof. Zsolt SZALAY	HUNGARY	Potential Weak Points of Environment Sensors in Autonomous Vehicles	AUTO
REG	9.	Mr. Christian PITTNER, Mr. Johannes EDELMANN and Mr. and Manfred PLÖCHL	AUSTRIA	Reference models for Torque-vectoring in Electric Vehicles	AUTO
REG	10.	Ms. Annamária KONCZ	HUNGARY	Failure Mode And Effect Analysis Types In The Automotive Industry and Their Usage	AUTO
REG	11.	Ms. Laura COSTA, Mr. Christophe PERRIN, Mr. Maxime DUBOIS-LOUNIS, Mr. Thierry SERRE and Mr. Nacer K. M'SIRDI	FRANCE	Modelling Of The Powered Two-Wheelers Dynamic Behaviour For Emergency Situations Analysis	AUTO
REG	12.	Dr. Pierre-Olivier VANDANJON and Mr. Vinot Emmanuel EL-ALMI TAHA	FRANCE	Slope Optimisation (Sloop): Tailor-made Optimisation for Road Longitudinal Profile Eco-design Considering the Dynamics of Vehicles	BASIC

REG	13.	Mr. Arnaud MONTROUGE	FRANCE	Identification of Tire Model Parameters from Vehicle Measurements Using Sensitivity Analysis	AUTO
REG	14.	Dr. Károly BENEDA and Ms. Khaoula DERBEL	HUNGARY+ TUNESIA	Identification of Single Spool Micro Turbojet Engine with Fixed Exhaust Nozzle at Multiple Operating Points for Linear Parameter Varying Control	AIR
REG	15.	Mr. Gábor MÜLLER, Mr., B. LUBER, Mr. F. SORRIBES-PALMER, Mr. L. PIETSCH and Mr. K. SIX	AUSTRIA	Influence of the Wheel Profile Condition on the Dynamic Behaviour of Wheel-Rail Interface Quantities	RAIL
REG	16.	Mr. Aleksei IAKUSHEV and Ms. Iulia HOMONETS	RUSSIA	Impact of Residual Stresses on the Railcar Wheel Strength	RAIL
REG	17.	Mr. Karthik Murali Madhavan RATHAI, Prof. Olivier SENAME and Mr. Mazen ALAMIR	FRANCE	A Comparative Study of Different NMPC Schemes for Control of Semi-Active Suspension System	CONT
REG	18.	Mr. Tibor Steve SIMON, Prof. Gábor MELEGH and Prof. Zsolt SZALAY	HUNGARY	Automated Vehicles' Accidents – Uber Self-Driving Vehicle Accident	AUTO
REG	19.	Mr. Shihpin LIN and Prof. Yoshihiro SUDA	JAPAN	Vehicle Condition Monitor System Considering Vehicle and Track Maintenance	RAIL
PRE	20.	Mr. Csaba KOKREHEL and Prof. Huba NÉMETH	HUNGARY	Wheel-brake Design for Battery Electric Vehicles	AUTO
REG	21.	Mr. Ádám DOMINA and Mr. Viktor TIHANYI	HUNGARY	Comparison of Controller Systems and Motion Modelling Methods for Autonomous Vehicles Trajectory Following Practice	CONT
REG	22.	Mr. János PAPP and Mr Gergely BÁRI	HUNGARY	Hardware in the Loop Test System for Teaching Model Based Design for Automotive Control	CONT
REG	23.	Mr. Zakariás ERŐSDI and Mr. Gergely BÁRI	HUNGARY	Yaw Rate Control for Enhancing Vehicle Steering Behaviour	CONT
REG	24.	Mr. Gergely SZÚCS and Mr. Gergely BÁRI	HUNGARY	Tire Data Analysis Method for Finding Grip-Optimal Slip and Camber Values	AUTO
REG	25.	Mr. Attila WIDNER and Mr. Gergely BÁRI	HUNGARY	Investigating the Effects of Roll Centre Height, During Transient Vehicle Manoeuvres	AUTO
REG	26.	Ms. Adrien ALBON	FRANCE	Optimized Wheel Profile	RAIL
REG	27.	Mr. Dániel FÉNYES, Dr- Balázs NÉMETH and Prof. Péter GÁSPÁR	HUNGARY	Possibilities of Vehicle State Estimation Using Big Data Approaches	CONT
REG	28.	Mr. David SZŐCS, Dr. Balázs NÉMETH and Ms. Zsuzsanna BEDE	HUNGARY	Challenges and Problems in the Design of Smart Intersections	CONT
REG	29.	Mr. Máté DALVÁRI, Mr. Déniel FÉNYES, Mr. András MIHÁLY, Dr. Balázs NÉMETH and Prof. Péter GÁSPÁR	HUNGARY	Camera-Based Lateral Driver Modelling for Vehicle Control Design Purposes	CONT

REG	30.	Mr. Tamás HEGEDŰS, Dr. Balázs NÉMET and Ms. Zsuzsanna BEDE	HUNGARY	Control and Decision Method for Overtaking Problem in Autonomous Vehicles	CONT
REG	31.	Mr. Oszkár BÍRÓ and Prof. Géza SZABÓ	HUNGARY	Integrating Large Remotely Piloted Vehicles into The Controlled Airspace	AIR
REG	32.	Mr. János SZALAY, Mr. Bálint KÓVÁRY, Mr. Szilárd ARADI, Prof. Péter GÁSPÁR and Dr. Tamás BÉCSI	HUNGARY	Highway Behaviour Training through Learning Based State Choice Model	CONT
REG	33.	Mr. Balázs TARI, Mr. Szilárd ARADI, Prof. Péter GÁSPÁR and Dr. Tamás BÉCSI	HUNGARY	Machine learning based race track control	CONT
REG	34.	Mr. Ferenc HEGEDŰS and Dr. Tamás BÉCSI	HUNGARY	Evaluation of Trajectories for Automated Road Vehicles in Sense of Dynamical Feasibility	AUTO
REG	35.	Mr. Van Tan VU, Mr. Trung Hieu NGUYEN, Mr. Argyrios ZOLOTAS, Prof. Olivier SE-NAME and Prof. Luc DUGARD	VIETNAM +UK + FRANCE	Towards Robust Linear Parameter Varying Control for Active Rail Vehicle Wheel-Sets	RAIL
REG	36.	Dr. Károly BENEDA and Mr. Arnold NAGY	HUNGARY	Introduction, Identification and Control of a New Fuel Metering System on a Micro Turbojet Engine	CONT
REG	37.	Dr. Stefano ALFI, Prof. Stefano BRUNI and Mr. Bin FU	ITALY + CHINA	Condition Monitoring and Fault Detection of Suspension Components in Freight Wagons Using Acceleration Measurements	RAIL
REG	38.	Prof. Balázs GÁTI and Mr. Gábor VASS	HUNGARY + USA	Investigation of Air-foils In Jet-Stream	AIR
REG	39.	Prof. András SZABÓ and Prof. István ZOBORY	HUNGARY	Vertical Dynamical Loading Conditions of Driven Wheel-Sets	RAIL
REG	40.	Prof. József CSIBA	HUNGARY	Numerical Analysis of the Failures, Reliabilities Availabilities with Different Operation and Maintenance Circumstances	RAIL
REG	41.	Mr. Lajos VÉGH	HUNGARY	Dynamics of Derailment	RAIL
REG	42.	Dr. Csaba HARGITAI, Prof. Győző SIMONGÁTI and Mr. Roland ZALACKÓ	HUNGARY	Operational Profile of Inland Public Transport	AIR/SHIP
REG	43.	Prof. Dezső SZŐKE	HUNGARY	Structure Investigation into the Connection Between the Railway Track and The Vehicle	RAIL
REG	44.	Mr. István NÉMETH	HUNGARY	How to Avoid Dynamical Instability in Disc-Brake Systems by Using Additional Linear Damping	RAIL
REG	45.	Prof. Andrzej CHUDZIKIEWICZ and Ms. Anna STELMACH	POLAND	Evaluation of the Process of Placing in Service of a Rail Vehicle with Regard to Safety of Transport Operation	RAIL

REG	46.	Mr. m NYERGES and Mr. Mt FANCSIK	HUNGARY	Parking Place Detection for Autonomous Vehicles	AUTO
REG	47.	Mr. Kimihiko NAKANO, Mr. Masahiro SEKI, Mr. Tsutomu KAIZUKA, Mr. Rencheng ZHENG, Mr. Toshiaki SAKURAI and Mr. Tetsuo MAKI	JAPAN	Design of Haptic Steering Guidance Controller Considering Look Ahead Distance	AUTO
REG	48.	Mr. Egidio DI GIALLEONARDO, Prof. Stefano BIONDA, Mr. Claudio SOMASCHINI and Prof. Francesco BRAGHIN	ITALY	Design of Experiment Approaches for the Calibration of Instrumented Wheel-Set	RAIL
REG	49.	Mr. Claudio SOMASCHINI, Mr. Egidio Di GIALLEONARDO, Mr. Andrea COLLINA and Mr. Marco BOCCIOLONE	ITALY	Algorithm Development to Classify the Deterioration of Insulated Rail Joints by Means of Onboard Measurements	RAIL
REG	50.	Mr. Sndor MALATINSZKY	HUNGARY	Conformity Assessment of a Modernised Locomotive Bogie and Body Connection	RAIL
REG	51.	Mr. Manh.Hung DO, Mr. Damier KOENIG and Mr. Didier THEILLIOL	VIETNAM + FRANCE	Robust H_{∞} Proportional-Integral Observer Design for Fault Estimation	CONT
REG	52.	Mr. Thanh-Phong PHAM, Prof. Olivier SENAME, Prof. Luc DUGARD and Mr. Van Tan VU	VIETNAM + FRANCE	Real-Time Estimation of the Damping Force of Vehicle Electro-rheological Suspension	BASIC
REG	53.	Mr. Mikls KRMER	HUNGARY	Compromises and Optimization Possibilities within the PINTA Project	RAIL
REG	54.	Mr. M CARNEVALE and Mr. A. COLLINA	ITALY	A Rolling Stock-Based System for Pantograph and Catenary Condition Monitoring	RAIL
REG	55.	Mr. Balzs VARGA	HUNGARY	Energy Aware Cruise Control for Urban Public Transport Buses	CONT
REG	56.	Prof. Gergely TULIPNT, Prof. Andrs SZAB and Prof. Istvn ZOBORY	HUNGARY	Laboratory Investigation into the Noise Generated by Sliding Friction for Cast Iron and Steel Friction Pairs	BASIC
REG	57.	Mr. Csaba KISS	HUNGARY	Some Remarks on Designing of a Crankshaft	BASIC
REG	58.	Mr. m BRDOS and Prof. Huba NMETH	HUNGARY	Diesel Engine Cylinder-Charge Composition Control With Hp-Egr and Exhaust Throttling	AUTO
REG	59.	Ms. Anna HIDAS	HUNGARY	Thermal Simulation to Ensure Heat Management of Vehicle Ecus with Plastic Enclosure	BASIC
REG	60.	Mr. Istvn Tams MOLNR, Mr. Adri Xavier Camerero URBAN and Prof. rpd VERESS	HUNGARY	Investigation of Hybrid Propulsion Systems Applied on Small-Sized Aircraft	AIR
REG	61.	Mr. Gellrt SZONDA and Prof. rpd VERESS	HUNGARY	Numerical Modelling and Improvements of Flow Field Around the Landing Gear And Wheel Cowling for Skycruiser Sc-200 Autogyro	AIR

		Preliminary (PRE) or Final (REG) Registration Form Received from the following Participant Colleagues			
PRE	62.	Prof. Hans-Günther REIMERDES	GERMANY		
REG	63.	Ms. Anikó PÜSKI	HUNGARY		
PRE	64.	Mr. Marcos IMHOF	BRASIL		
REG	65.	Prof. Otmar KRETTEK	GERMANY		
REG	66.	Mr. Péter BECSJANSZKI	HUNGARY		
REG	67.	Ms. Noemi KLAUZEVICS	HUNGARY		
REG	68.	Mr. Bence SZABÓ	HUNGARY		
REG	69.	Mr. István SZÉCSEY	HUNGARY		
REG	70.	Mr. Andreas HERBST	GERMANY		
REG	71.	Mr. Tibor ILLÉS	HUNGARY		
REG	72.	Mr. Ádám ZADRAVECZ	HUNGARY		
REG	73.	Mr. Gergely VITÉZ	HUNGARY		
REG	74.	Mr. Zsolt KELEMEN	HUNGARY		
REG	75.	Mr. László ANKA	HUNGARY		

REG	76.	Mr. Attila PAULUSZ	HUNGARY		
REG	77.	Mr. Gyula SZOLNOKI	HUNGARY		
REG	78	N.N. (MÁV-Start ZRt.)	HUNGARY		