

Moscow time	China time	New York time	August 17, 2021			
13:00-13:20	18:00-18:20	06:00-06:20	Opening ceremony and announcements			
13:20-14:00	18:20-19:00	06:20-07:00	Plenary session: State-of-art paper 1			
14:00-14:40	19:00-19:40	07:00-07:40	Plenary session: State-of-art paper 2			
14:40-18:00	19:40-23:00	07:40-11:00	Rail 1 session (10 papers)	Rail 2 session (10 papers)	Road 1 session (10 papers)	Road 2 session (10 papers)

Moscow time	China time	New York time	August 17, 2021			
13:20-14:00	18:20-19:00	06:20-07:00	Plenary session chair:		Dr. Anna Orlova	
			Plenary session moderator:		Velichko Andrey	
			State-of-art paper 1:		Katsuyama, Etsuo; Yamakado, Makoto; Abe, Masato	A state-of-the-art review: Toward a novel vehicle dynamics control concept taking the driveline of electric vehicles into account as promising control actuators
14:00-14:40	19:00-19:40	07:00-07:40	State-of-art paper 2:		Jerrelind, Jenny; Allen, Paul; Gruber, Patrick; Berg, Mats; Drugge, Lars	Contributions of vehicle dynamics to more energy efficient operation of road and rail vehicles

14:40-16:20	19:40-21:20	07:40-9:20	Rail 1.1 session topic:		Active suspensions, Vibration and Control	
			Rail 1.1 session chair:		Dr. Yoshihiro Suda	
			Rail 1.1 session moderators:		Dauksha Anfisa, Velichko Andrey	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	035	Yu Sun, Jinsong Zhou, Dao Gong, Taiwen You, Qiushi Wang	Multi-Degree of Freedom Dynamic Vibration Absorber of the carbody of High-speed Trains
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	179	Rocco Libero Giossi, Anton Shipsha, Rickard Person, Per Wennhage, Sebastian Stichel	Active Modal Control of an Innovative Two-axle Vehicle with Composite Frame Running Gear
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	058	Andreas Heckmann, Daniel Lüdicke, Björn Goetjes	A Research Facility for the Next Generation Train Running Gear in true Scale
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	161	Yu Wang, Shihpin Lin, Yoshihiro Suda	Implementation of Steering Control of Full Scale Railway Vehicle with Independently Rotating Wheels Using Negative Tread Concavity
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	183	Bin Fu, Binbin Liu, Egidio Di Gialleonardo, Stefano Bruni	Improvement of high-speed vehicle vertical ride comfort with semi-active primary suspension
16:20-18:00	21:20-23:00	09:20-11:00	Rail 1.2 session topic:		Condition Monitoring	
			Rail 1.2 session chair:		Dr. Klaus Six	
			Rail 1.2 session moderators:		Dauksha Anfisa, Velichko Andrey	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	007	Bernhard Girstmair, Thomas Moshhammer	Railway Bogie Diagnostics using Machine Learning and Bayes Net Reasoning Approaches
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	252	Sora Sakanishi, Shihpin Lin, Yu Wang, Yoshihiro Suda	Condition Monitoring and Evaluation of Railway Vehicles using New Index Values Consisting of Wheel Load and Lateral Force
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	033	Michele Vignati, Nicola De Battisti, Maria Laura Bacci, Davide Tarsitano	Validation of a driverless railway vehicle control unit algorithms through real-time vehicle simulation
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	023	Esteban Bernal, Maksym Spiryagin, Ingemar Persson, Shah Sanjar Ahmad, Qing Wu, Colin Cole	Traction control algorithms versus dynamic performance in light rail vehicle design architectures
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:		EMPTY	

14:40-16:20	19:40-21:20	07:40-09:20	Rail 2.1 session topic:		Pantograph-Catenary Dynamics, Continuous Rail monitoring	
			Rail 2.1 session chair:		Dr. Roger Goodall	
			Rail 2.1 session moderator:		Poliakov Boris	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	079	Bilal Abdurahman, Christopher Ward, Will Midgley, Tim Harrison, Roger Goodall	Models for Controller Design of a Multi-Axis and Multi-Objective Closed Loop Pantograph System
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	099	Gang Wang, Lihui Ren, Yuanjin Ji, Han Leng, Huang Youpei	Research on Dynamic Characteristics of the APM 300 Current Collector
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	100	Wenyan Qi, Jiangwen Wang, Guiming Mei, Weihua Zhang	Active control strategy of pantograph coupling with rigid catenary considering time delay of sensors and actuato
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	243	Jihad Karaki, Leonardo Faccini, Egidio Di Gialleonardo, Claudio Somaschini, Marco Bocciolone, Andrea Collina	Continuous monitoring of rail corrugation growth using an in-service vehicle
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	247	Christine Funfschilling, Guillaume Perrin	Sensitivity analysis of trains dynamics to monitor track geometry
16:20-18:00	21:20-23:00	09:20-11:00	Rail 2.2 session topic:		Safety and Derailment Analysis	
			Rail 2.2 session chair:		Dr. Olga Markova	
			Rail 2.2 session moderator:		Poliakov Boris	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	107	Huang Youpei, Dao Gong, Yuanjin Ji, Han Leng, Gang Wang, Lihui Ren	Study on Longitudinal Stability of Single-Carbody Low-Floor Tram
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	253	Jingcheng Wen, Zhenggang Lu, Qi Li, Keyu Yue	Effect of Wheel Polygonal wear on Express Freight Train Running on the bridge in the crosswind
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	146	Xin Ding, Chao Chang, Yongsheng Li, Hongquan Wang, Jinan Liu, Liang Ling, Kaiyun Wang	An experimental investigation of potential causes for car-body hunting motion of high-speed train
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	096	Heng Zhang, Xin Ding, Chao Chang, Wanxiu Teng, Tao Liu, Liang Ling, Wanming Zhai	A study on the mechanism of carbody shaking phenomenon of high-speed trains
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:	137	Zhang Dafu, Huailong Shi, Wu Pingbo, Cui Litong	Field investigations of hollow wear on wheel and vehicle dynamics of CRHS on Lanzhou-Xinjiang high-speed railway

14:40-16:20	19:40-21:20	07:40-09:20	Road 1.1 session topic:		Suspension (1)	
			Road 1.1 session chair:		Professor Matthijs Klomp	
			Road 1.1 session moderators:		Poliakova Ekaterina, Kabanova Anastasiia	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	166	Daniel Fenyes, Balazs Nemeth, Peter Gaspar	Data-driven modeling approach for control design of a variable-geometry suspension system
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	164	Abel Arrieta Castro, Georg Rill	Kinematic Versus Elasto-Kinematic Model of a Twistbeam Suspension
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	070	Jan-Lukas Archut, Raphael Cleven, Martin Wahle, Mathias Hüsing, Burkhard Corves	A Computationally Efficient Multibody Simulation Model of a Suspension System Including Elastokinematic Properties
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	046	Girish Radhakrishnan, Claude Rouelle, Igo Besselink	A Structured Approach To Analysing Vehicle Dynamics
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	238	Ariel Avi, Andrea Piga Carboni, Claude Rouelle	Multi-objective optimization of suspension kinematics of a race car
16:20-18:00	21:20-23:00	09:20-11:00	Road 1.2 session topic:		Suspension (2)	
			Road 1.2 session chair:		Professor Edoardo Sabbioni	
			Road 1.2 session moderators:		Poliakova Ekaterina, Kabanova Anastasiia	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	001	Kerem Bayar, Banu Cicek Buyuker	Active Suspension Control Strategy Development for a Passenger Car Based on H _∞ Optimization
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	220	Toshihiro Hiraoka, Kiyoshi Kato, Keisuke Shimono, Yoshihiro Suda	Active Pitch Control for Prevention of Passenger Falling Over in Autonomous Shuttle
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	118	Georges Sayes, Christos Patrinos, Andrew Collins, Basileios Mavroudakos, Jose Barcelo, Stuart Cadman, Efsthathios Siampis, Efsthathios Velenis	Novel hydropneumatic active suspension system for a high performance vehicle application
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	059	Herman Hamersma, Schalk Els	The effect of heat transfer on hydro-pneumatic springs
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:		EMPTY	

14:40-16:20	19:40-21:20	07:40-09:20	Road 2.1 session topic:		Heavy vehicles	
			Road 2.1 session chair:		Professor Lars Drugge	
			Road 2 session moderator:		Gusev Artem	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	213	Tural Tunay, Lars Drugge, Ciarán J. O'Reilly	Two-way Coupled Aerodynamics and Vehicle Dynamics Crosswind Simulation of a Heavy Ground Vehicle in Winter Road Conditions
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	163	Sogol Kharrazi, Fredrik Bruzelius, Bruno Augusto, Mattias Hjort	Wheelbase influence on performance of tractor semitrailer combinations
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	028	Yangyan Gao, Leon Henderson, Shammi Rahman, Tim Gordon, Leo Laine	Control of Heavy Truck Braking on Split-Mu Surfaces Including Steering Response Adaptation
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	201	Aria Noori Asiabar, Tim Gordon, Yangyan Gao, Leon Henderson, Leo Laine	The Influence of Global Force and Moment Redundancy on the Control Allocation Performance of Long Heavy Vehicle Combinations
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	202	Shammi Rahman, Tim Gordon, Qingwei Liu, Yangyan Gao, Leon Henderson, Leo Laine	Improved Lateral Performance of a Long Combination Vehicle Based on Artificial Flow Guidance
16:20-18:00	21:20-23:00	09:20-11:00	Road 2.2 session topic:		Vehicles on virtual rails	
			Road 2.2 session chair:		Dr. Igo Besselink	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	217	Amir Rahimi, Wei Huang, Tarun Sharma, Yuping He	An Autonomous Driving Control Strategy for Multi-Trailer Articulated Heavy Vehicles with Enhanced Active Trailer Safety
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	142	Dehua Zhang, Yang Caijin, Weihua Zhang	A new active steering system for active steering articulated virtual rail train
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	188	Qingwei Liu, Tim Gordon, Sheng Zhou, Shammi Rahman, Peng Jin, Xiaocong Liu, Lei Xiao	Lateral Control of a Trackless Road Tram 'ART' Using Multi-Axle Steering
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	093	Han Leng, Lihui Ren, Yuanjin Ji	A Newly Designed Gantry Virtual Track Train: Analysis of Vehicle Architecture and Path-tracking Control Strategy
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:		EMPTY	