Moscow time	China time	New York time	August 18, 2021			
13:00-13:20	18:00-18:20	06:00-06:20	Poster workshop rail 1 (5 posters)	Poster workshop rail 2 (5 posters)	Poster workshop road 1 (5 posters)	Poster workshop road 2 (5 posters)
13:20-14:00	18:20-19:00	06:20-07:00	Plenary session: State-of-art paper 3			
14:00-14:40	19:00-19:40	07:00-07:40	Plenary session: State-of-art paper 4			
14:40 18:00	19:40-23:00	07:40-11:00	Rail 3 session (10 papers)	Rail 4 session (10 papers)	Road 3 session (10 papers)	Road 4 session (10 papers)

Moscow time	China time	New York time	August 18, 2021			
13:00-13:20	18:00-18:20	06:00-06:20	Poster workshop rail 1 topic:		**Active suspensions, Control and Monitoring**	
			Poster workshop rail 1 chair:		Professor Stefano Bruni	
			Poster workshop rail 1 moderator:		Panchenko Maxim	
13:00-13:03	18:00-18:03	06:00-06:03	Paper No.:	038	Qin Li, Gang Shen	Analysis and experimental study on response of Maglev train levitation system under vibration decoupling control strategy
13:03-13:06	18:03-18:06	06:03-06:06	Paper No.:	066	Christoph Schwarz, Björn Goetjes, Tobias Posielek	Adhesion-Based Maximum-Seeking Brake Control for Railway Vehicles
13:06-13:09	18:06-18:09	06:06-06:09	Paper No.:	248	Hugo Magalhaes, Andy Foan, Yann Bezin, Pedro Jorge	Enhancement of an Inset Switch Design using an Automated Switch and Crossing Design Tool
13:09-13:12	18:09-18:12	06:09-06:12	Paper No.:	068	Bo Xie, Shiqian Chen, Kaiyun Wang, Yunfan Yang	Wheel Polygonisation Detection of Railway Vehicles Based on VMD-FastICA and Inertial Principle
13:12-13:15	18:12-18:15	06:12-06:15	Paper No.:		EMPTY	
13:00-13:20	18:00-18:20	06:00-06:20	Poster workshop rail 2 topic:		**Wheel - Rail Contact, Profiles, Wheelsets**	
			Poster workshop rail 2 chair:		Professor Jens Nielsen	
			Poster workshop rail 2 moderator:		Poliakov Boris	
13:00-13:03	18:00-18:03	06:00-06:03	Paper No.:	250	Yuqing Zeng, Nicholas Wilson, William Lundberg, Russell Walker, Xinggao Shu, MaryClara Jones	Geometric Criterion for Flange Climb Derailment and IWS-based Implementation
13:03-13:06	18:03-18:06	06:03-06:06	Paper No.:	089	Lars-Ove Jönsson, Babette Dirks, Pär Söderström	Influence of Ground and Milled Rail Profiles on Ride Comfort
13:06-13:09	18:06-18:09	06:06-06:09	Paper No.:		EMPTY	
13:09-13:12	18:09-18:12	06:09-06:12	Paper No.:		EMPTY	
13:12-13:15	18:12-18:15	06:12-06:15	Paper No.:		EMPTY	

13:00-13:20	18:00-18:20	06:00-06:20	Poster workshop road 1 topic:		**Tyres**	
			Poster workshop road 1 chair:		Professor Malte Rothhamel	
			Poster workshop road 1 moderator:		Poliakova Ekaterina	
13:00-13:03	18:00-18:03	06:00-06:03	Paper No.:	078	Jukka Hyttinen, Rickard Österlöf, Lars Drugge, Jenny Jerrelind	Simulation of a truck tyre using viscoplastic constitutive rubber model
13:03-13:06	18:03-18:06	06:03-06:06	Paper No.:	108	Lisa Ydrefors, Mattias Hjort, Sogol Kharrazi, Jenny Jerrelind, Annika Stensson Trigell	Method to measure rolling resistance at quasi-steady-state temperature
13:06-13:09	18:06-18:09	06:06-06:09	Paper No.:	168	Tilman Bünte, Georg Rill, Julian Ruggaber, Jakub Tobolar	Modelling and Validation of the TMeasy tyre for Extreme Parking Manoeuvres
13:09-13:12	18:09-18:12	06:09-06:12	Paper No.:	190	Mathias Metzler, Shilp Dixit	On tuning methods for continuous classical control of longitudinal wheel slip dynamics
13:12-13:15	18:12-18:15	06:12-06:15	Paper No.:		EMPTY	
13:00-13:20	18:00-18:20	06:00-06:20	Poster workshop road 2 topic:		**Motorcycles**	
			Poster workshop road 2 chair:		Professor Silvio Sorrentino	
			Poster workshop road 2 moderator:		Gusev Artem	
13:00-13:03	18:00-18:03	06:00-06:03	Paper No.:	003	Matteo Bova, Matteo Massaro, Fabio Mazzarella	Motorcycle multibody models for eCall applications
13:03-13:06	18:03-18:06	06:03-06:06	Paper No.:	021	Alexander Schramm, Luca Leonelli, Silvio Sorrentino	Investigations of Motorcycle Mid-Corner Instability Using a Three Degree-of-Freedom Minimal Model
13:06-13:09	18:06-18:09	06:06-06:09	Paper No.:	043	Michele Asperti, Michele Vignati, Francesco Braghin	Modeling of the Vertical Dynamics of an Electric Kick Scooter for Performance Evaluation
13:09-13:12	18:09-18:12	06:09-06:12	Paper No.:		EMPTY	
13:12-13:15	18:12-18:15	06:12-06:15	Paper No.:		EMPTY	

13:20-14:00	18:20-19:00	06:20-07:00	Plenary session chair:	Dr. David Cole	
			Plenary session moderator:	Velichko Andrey	
			State-of-art paper 3:	Vollebregt, Edwin ; Six, Klaus; Polach, Oldrich	Challenges and progress in the understanding and modelling of the wheel—rail creep forces
14:00-14:40	19:00-19:40	07:00-07:40	State-of-art paper 4:	Massaro, Matteo; Limebeer, David	Minimum-lap-time optimization and simulation

14:40-16:20	19:40-21:20	07:40-09:20	Rail 3.1 session topic:		**Switches and Crossings, Non-Standard Wheels**	
			Rail 3.1 session chair:		Professor Liang Ling	
			Rail 3.1 session moderators:		Dauksha Anfisa, Panchenko Maxim	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	124	Kamil Sazgetdinov, Nishant Kumar, Klaus Six, Rostyslav Skrypnyk, Björn Pålsson, Werner Daves, Dino Velic	Track damage prediction in turnouts using a whole system model
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	077	Demeng FAN, Michel Sebès, Emmanuel Bourgeois, Hugues Chollet, Cédric Pozzolini	A fast co-simulation approach to vehicle/track interaction with finite elemen models of S&C
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	235	Björn Pålsson, Arne Nissen, Jens Nielsen, Håkan Johansson	Demonstration of a Digital Twin framework for model-based operational condition monitoring of crossing panels
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	186	Juyao Wei, Zhenggang Lu, Zhe Yang, Yang He, Xiaochao Wang	Data-Driven Robust Control for Railway Driven Independently Rotating Wheelsets Using Deep Deterministic Policy Gradien
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	244	Florian Zehetbauer, Johannes Edelmann, Manfred Plöchl, Florian Magerl	Study on potential evolution mechanisms of OOR wheels at trams
16:20-18:00	21:20-23:00	09:20-11:00	Rail 3.2 session topic:		**Track and Bridges Modelling**	
			Rail 3.2 session chair:		Professor Wanming Zhai	
			Rail 3.2 session moderators:		Dauksha Anfisa, Panchenko Maxim	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	117	Andrea Collina, Roberto Corradi, Egidio Di Gialleonardo, Qianqian Li	Wheelset-Track Dynamic Interaction Modelling with Frequency- and Preload-Dependent Stiffness and Damping of Resilient Track Components
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	208	Yan Xu, Yang Caijin, Zhendong Liu, Weihua Zhang, Sebastian Stichel	Long-Term High-Speed Train-Track Dynamic Analysis using a Moving Train-Track Interaction Model
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	064	Kourosh Nasrollahi, Jens Nielsen, Emil Aggestam, Jelke Dijkstra, Magnus Ekh	Prediction of differential track settlement in transition zones using a non-linear track model
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	103	Ruoyu Li, Zhaoling Han, Shengyang Zhu, Qinglie He, Wanming Zhai	Dynamic performance of high-speed train running on large span cable-stayed bridge subjected to temperature-induced deformatior
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 4.1 session topic:		**Traction and Braking**	
			Rail 4.1 session chair:		Professor Mats Berg	
			Rail 4.1 session moderators:		Gusev Artem, Kabanova Anastasiia	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	036	Ziwei Zhou, Maksym Spiryagin, Zaigang Chen, Esteban Bernal, Colin Cole, Peter Wolfs	Dynamic features of motor electrical system in locomotive under excitations of wheel polygonization
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	031	Qing Wu, Maksym Spiryagin, Colin Cole	Full-scale 3D heavy haul train-track dynamics model
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	053	Sundar Shrestha, Maksym Spiryagin, Valentyn Spiryagin, Esteban Bernal, Qing Wu, Colin Cole, Harold Harrison, Ingemar Persson	Investigation on how rail surface self-cleaning changes the locomotive traction dynamics
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	022	Maksym Spiryagin, Peter Wolfs, Qing Wu, Colin Cole, Tim McSweeney	What is the right way to model traction power distribution in complex heavy haul locomotive models?
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	114	Julien Nespoulous, Christian Soize, Christine Funfschilling, Guillaume Perrin	High-speed train speed optimization for limiting energy consumption
16:20-18:00	21:20-23:00	09:20-11:00	Rail 4.2 session topic:		**Vehicle Design and Components**	
			Rail 4.2 session chair:		Dr. Simon Iwnicki	
			Rail 4.2 session moderators:		Gusev Artem, Kabanova Anastasiia	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	207	Rickard Persson, Rocco Libero Giossi, Sebastian Stichel	Single axle running gear with nonlinear axle guidance stiffness
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	034	Colin Cole, Maksym Spiryagin, Qing Wu	Modeling Friction Stick-Slip in Heavy Haul Draft Gears
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	130	Jiurui Liu, Ning Zhou, Andrea Collina, Marco Carnevale, Weihua Zhang	An improved air spring model for pantograph on the high-speed train
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	180	Anna Orlova, Ekaterina Rudakova, Denis Shevchenko, Artem Gusev, Maxim Kudryavtsev	Simulation and experimental assessment of the dynamic performance of articulated freight cars
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:	221	Ronak Prateek, Shihpin Lin, Yu Wang, Keisuke Shimono, Yoshihiro Suda, Yohei Michitsuji	Utilisation of Gyroscopic damper to improve dynamic stability and steering in a railway vehicle with Independently rotating wheels

14:40-16:20	19:40-21:20	07:40-09:20	Road 3.1 session topic:		**Vehicle dynamics analysis**	
			Road 3.1 session chair:		Professor Manfred Ploechl	
			Road 3.1 session moderators:		Poliakova Ekaterina, Velichko Andrey	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	063	Mariagrazia Tristano, Basilio Lenzo	Design of the Vehicle Cornering Response based on the Map of Achievable Performance: Preliminary Assessmen
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	067	Matthijs Klomp	Graphical Methods for Road Vehicle System Dynamics Analysis
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	082	Lin Zhao, Mikael Nybacka, Lars Drugge, Jonas Mårtensson, Saurabh Vyas, Chirag Savant, Wenliang Zhang	Study of different steering feedback models influence during remote driving
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	085	Tenghao Niu, David Cole	Experimental identification of a driver steering control model incorporating steering feel
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	075	Samer Abdelmoeti, David Cole	Occupant Motion Estimation for Investigating Discomfort during Longitudinal Acceleration
16:20-18:00	21:20-23:00	09:20-11:00	Road 3.2 session topic:		**Driver-vehicle dynamics; ride comfort**	
			Road 3.2 session chair:		Dr. Johannes Edelmann	
			Road 3.2 session moderators:		Poliakova Ekaterina, Velichko Andrey	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	092	Ilhan Yunus, Jenny Jerrelind, Lars Drugge	Motion sickness prediction models evaluated by field tests for autonomous driving
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	094	Henrik Hvitfeldt, Lars Drugge, Jenny Jerrelind	Motion cueing for winter test conditions
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:	072	Georgios Papaioannou, Xing Zhao, Efstathios Velenis, Jenny Jerrelind, Lars Drugge	Integrated active seat suspensions for enhancing motion comfort
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:	195	Ivan Cvok, Joško Deur, Eric Tseng, Davor Hrovat	Performance analysis of decoupled control of active chassis and seat suspensions
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:	173	Ejaz Ahmad	Anti-jerk Control Approach to Improve Ride Comfort of a Half Car Model using Aerodynamic Actuators

14:40-16:20	19:40-21:20	07:40-09:20	Road 4.1 session topic:		**Tires; road surfaces (1)**	
			Road 4.1 session chair:		Professor Patrick Gruber	
			Road 4 session moderator:		Poliakov Boris	
14:40-15:00	19:40-20:00	07:40-08:00	Paper No.:	055	Georgios Papaioannou, Jenny Jerrelind, Lars Drugge	Optimisation of suspension and tyre parameters for minimum tyre wear, enhanced comfort and improved vehicle stability
15:00-15:20	20:00-20:20	08:00-08:20	Paper No.:	073	Malte Rothhämel	On rolling resistance of bicycle tyres
15:20-15:40	20:20-20:40	08:20-08:40	Paper No.:	154	Martin Schabauer, Andreas Hackl, Christoph Scherndl, Wolfgang Hirschberg, Cornelia Lex	Experimental Validation of a Semi-physical Modelling Approach of the Influence of Tyre Rotation on the Vertical Tyre Force Transmission and Tyre Kinematics
15:40-16:00	20:40-21:00	08:40-09:00	Paper No.:	165	Igo Besselink, Marvin Baart, Henk Nijmeijer	Simplified turn slip modeling by a parallel Magic Formula model
16:00-16:20	21:00-21:20	09:00-09:20	Paper No.:	167	Thorsten Lajewski, Jochen Rauh, Steffen Müller	Qualifying Road Maintenance Friction Measurements for Use in Autonomous Vehicles
16:20-18:00	21:20-23:00	09:20-11:00	Road 4.2 session topic:		**Tires; road surfaces (2)**	
			Road 4.2 session chair:		Dr. Matteo Massaro	
16:20-16:40	21:20-21:40	09:20-09:40	Paper No.:	193	Ignacio Sánchez, Juan María Velasco, Juan J. Castillo, Miguel Sánchez, Juan A. Cabrera	Low-Cost Surface Classification System Supported by Deep Neural Models
16:40-17:00	21:40-22:00	09:40-10:00	Paper No.:	050	Lars Muth, Jan Schütte, Christian Noll, Walter Sextro	Generation of a Reduced, Representative, Virtual Test Drive for Fast Evaluation of Tire Wear by Clustering of Driving Data
17:00-17:20	22:00-22:20	10:00-10:20	Paper No.:		EMPTY	
17:20-17:40	22:20-22:40	10:20-10:40	Paper No.:		EMPTY	
17:40-18:00	22:40-23:00	10:40-11:00	Paper No.:		EMPTY	