Wednesday, 15th of September 2021		
8³⁰ - 9³⁰ Registration and welcome coffee		
9³⁰ - 9⁴⁵ Opening and official welcome		
9⁴⁵- 10³⁰ Introduction of the supporting organizations ECTRI, FEHRL and FERSI by respective representatives		
10³⁰- 11⁰⁰ Key note presentation		
11⁰⁰- 11³⁰ Coffee break		
11³⁰ - 13³⁰ Sessions		
1.1 ITS (4)	1.2 Safety (3)	1.3 Engineering (4)
13³⁰ - 15⁰⁰ Lunch break		
15⁰⁰ - 16³⁰ Sessions		
2.1 Economics (3)		2.3 Logistics (3)
16³⁰- 17⁰⁰ Coffee break		
17⁰⁰ - 18³⁰ Cross cutting session		
19⁰⁰ Gathering in front of the venue to a dinner		

Thursday, 16th of September 2021		
9⁰⁰ - 9³⁰ Coffee		
9³⁰ - 11³⁰ Sessions		
3.1 ITS (4)	3.2 Safety (4)	3.3 Sustainability (4)
11³⁰ - 12⁰⁰ Coffee break		
12⁰⁰ - 13⁰⁰ Cross cutting session		
13⁰⁰ - 14³⁰ Lunch break		
14³⁰ - 16⁰⁰ Sessions		
4.1 Economics (3)	4.2 Safety (3)	4.3 Engineering (3)
17⁰⁰ - Gathering in front of the venue to an excursion		

Friday, 17th of September 2021
9⁰⁰ - 9³⁰ Coffee
9³⁰ - 11⁰⁰ Cross cutting session: Impact and presentations assessment
11⁰⁰ - 11³⁰ Coffee break
11³⁰ - 12³⁰ Feedback session
12³⁰ - 13³⁰ Plenary and awards ceremony, closure of the event

ectri   FEHRL   FERSI Road Safety Research   60 Univerza v Ljubljani Faculty of Maritime Studies and Transport

1.1 INTELLIGENT TRANSPORT SYSTEMS (ITS) & TRAFFIC MANAGEMENT

Chairs: Fabienne Anfosso Lédée (moderator & presentations evaluator); **Jindřich Frič** (presentations evaluator)

Improving the annual average daily road traffic estimation by using multitemporal high resolution aerial imagery, *Jens Hellekes (DLR)* - Tutor: Enrique Onieva

A novel global architecture for managing pedestrian flows in train stations, *Marin C. Dubroca-Voisin (UNI EIFFEL)* - Tutor: Blaž Luin

Efficiency of dynamic traffic signal control at two-lane road work zone with shuttle operation – theory and practice, *Igor Mikolasek (CDV)* - Tutor: Ricardo Pinto de Castro

Application of automation of public road works vehicles in unstructured environments, *Alfredo Valle Barrio, Alberto Cruz Ruiz, Victor San Telesforo García, José Eugenio Naranjo Hernandez and Felipe Jiménez Alonso (UPM)* - Tutor: Irina Mazilu-Eyaz

1.2 TRANSPORT SAFETY

Chairs: Anagnostopoulou Afroditi (moderator & presentations evaluator); **Silla Anne** (presentations evaluator)

Methodology for determining scenarios for collision avoidance system testing, *Victor Bolbot (UniStrathclyde)* - Tutor: Sandra Vieira Gomes

Effectiveness of Advanced Emergency Braking Systems in trucks: an analysis of rear-end collisions on motorways in Germany, *Leon Strassguetl (BASt)* - Tutor: Jiří Ambros

Occurence of wildlife-vehicle collision hotspots in in fence faults locations, *Jiří Sedoník (CDV)* - Tutor: Agnieszka Stelling-Kończak

1.3 TRANSPORT CIVIL AND ROAD ENGINEERING

Chairs: Libor Krejčí (moderator & presentations evaluator); **Angelos Bekiaris** (presentations evaluator)

Thermomechanical behaviour of bituminous layers containing rigid inserts for eRoads: first numerical approach, *Talita de Freitas Alves, Thomas Gabet, Ferhat Hammoum (UNI EIFFEL)* - Tutor: Roman Ličbinský

Assessing the performance of a cold recycled pavement with foamed bitumen under accelerated pavement testing (APT) with mobile load simulator (MLS30), *Mehdi Kalantari (BASt)* - Tutor: Nicolas Bueche

Evolution of the rheological Behavior an unmodified Bitumen aged on a Binder and loose Asphalt mix Scale, *Rodrigo Shigueiro Siroma, Mai Lan Nguyen, Pierre* Hornych, *Emmanuel Chailleux (UNI EIFFEL), Yvong Hung (TMS), Aurelia Nicolai (Sbm), Layella Ziyani (ESTP-PARIS)* - Tutor: Nicolas Bueche

Testing of dynamic characteristics of poroelastic road surface material, *Barbara Likar, Darko Kokot, Stanislav Lenart (ZAG)* - Tutor: Nicolas Bueche

2.1 TRANSPORT ECONOMICS, POLICY AND TRANSPORT BEHAVIOUR

Chairs: Roman Ličbinský (moderator & presentations evaluator); **Ciaran McNally** (presentations evaluator)

Implementing a Ride-Sharing Algorithm in the German National Transport Model (DEMO), *Nina Thomsen (DLR)* - Tutor: Laurents Carnis

Interventions to improve public transport travel time and reliability in a Norwegian city, an econometric evaluation, *Knut Johannes Liland Hartveit, Askill Harkjerr Halse, Nina Hulleberg, Rikke Ingebrigtsen Nils Fearnley (TØI)* - Tutor: Marie-Axelle Granié

Views on the advantages of light electric vehicles: users and non-users, *Johannes Mesimäki (VTT)* - Tutor: Marie-Axelle Granié

2.3 TRANSPORT LOGISTICS AND FREIGHT

Chairs: Sandra Vieira Gomes (moderator & presentations evaluator); **Felipe Jimenez** (presentations evaluator)

Defining energy (in)efficiency of last-mile postal delivery: a real case study in the Madrid region, *Alessandra Boggio-Marzet, Andrés Monzón (UPM)* - Tutor: Libor Krejčí

Suitability of human monitored autonomous lockers for urban deliveries: a comparison with the current scenario through field observations, *Kartik Varma (UNI EIFFEL)* - Tutor: Libor Krejčí

Challenges of allocating freight space in green intermodal transport chain, *Marko Golnar (UL)* - Tutor: Anagnostopoulou Afroditi

3.1 INTELLIGENT TRANSPORT SYSTEMS (ITS) & TRAFFIC MANAGEMENT

Chairs: Marie-Axelle Granié (moderator & presentations evaluator); **Jindřich Frič** (presentations evaluator)

Developing an Intelligent Services System in transport sector, *Aristi Karagkouni, Maria Sartzetaki, Dimitrios Dimitriou (DUTH)* - Tutor: Enrique Onieva

A routing performance comparison of LTE-V and IEEE WAVE for emergency vehicle approaching warning application in vehicular networks, *Tibor Petrov (UNIZA)* - Tutor: Enrique Onieva

Acceptance and usability of autonomous vehicles over the last years, *Olga Maria Giannakari (CERTH-HIT)* - Tutor: Ricardo Pinto de Castro

Understanding the drivers and barriers in the process of deployment and operation of digital mobility services from an inclusion and accessibility point of view, *Hannes Delaere, Samyajit Basu, Imre Keserü, Cathy Macharis (VUB)* - Tutor: Evangelia Gaitanidou

3.2 TRANSPORT SAFETY

Chairs: Fabienne Anfosso Lédée (moderator & presentations evaluator); **Silla Anne** (presentations evaluator)

Impact of automated vehicles on road safety, *Rins de Zwart (SWOV)* - Tutor: Jiří Ambros

Non-Driving-Related-Task during autonomous driving: a pilot study to explore variables of engagement, *Marie Jaussein, Hélene Tattergrain, Claude Marin-Lamellet (UNI EIFFEL)* - Tutor: Heike Martensen

Can Driver Improvement courses reduce recidivism in Belgium?, *Ellen Boudry, Ricardo Nieuwkamp, Peter Silverans (VIAS), Ward Vanlaar (TIRF)* - Tutor: Agnieszka Stelling-Kończak

Placing hourly variation in bicycle volume and crashes in the bigger perspective of road safety for cyclists in Dutch cities, *Teun Uijtdewilligen (SWOV)* - Tutor: Conrad Piasecki

3.3 TRANSPORT SUSTAINABILITY AND ENVIRONMENT

Chairs: Laurents Carnis (moderator & presentations evaluator); **Angelos Bekiaris** (presentations evaluator)

Valuable investments in energy infrastructure towards socioeconomic footprint, *Panagiotis Zeibekis, Melina Karagkouni, Dimitrios Dimitriou, Maria Sartzetaki (DUTH)* - Tutor: Blaž Luin

The climatic impact on Germany´s transport system - increasing road infrastructure resilience to natural hazards, *Anne-Farina Lohrengel (BASt)* - Tutor: Roman Ličbinský

Cyclic load tests of railway sleeper-ballast interaction, *Laura Vovčko, Stanislav Lenart (ZAG)* - **Tutor:** Irina Mazilu-Eyaz

A multi-level perspective on velomobility in Czech Republic, *Daniel Szabó (CDV)* - Tutor: Thomas O'Brien

4.1 TRANSPORT ECONOMICS, POLICY AND TRANSPORT BEHAVIOUR

Chairs: Thomas O'Brien (moderator & presentations evaluator); **Ciaran McNally** (presentations evaluator)

Effects of crowding on the optimal subsidy of public transport, *Tamás Strommer (TØI)* - Tutor: Anagnostopoulou Afroditi

Demand-driven optimization method for shared mobility services, *Cyril Veve (UNI EIFFEL), Nicolas CHIABAUT (UNI EIFFEL)* - Tutor: Anagnostopoulou Afroditi

Prioritization of the investments in transport infrastructure towards business resiliency and sustainability, *Aristi Karagkouni, Maria Sartzetaki, Dimitrios Dimitriou (DUTH)* - Tutor: Laurents Carnis

4.2 TRANSPORT SAFETY

Chairs: Blaž Luin (moderator & presentations evaluator); **Claude Marin-Lamellet** (presentations evaluator)

Hazard perception, traffic situation overview and reaction time in drivers with early Alzheimer's disease, *Kas Kamphuis (SWOV)* - Tutor: Heike Martensen

The impacts of flashing green at signalized intersections – case study of Břeclav, *Eva Pitlová (CDV), Lucia Vyskočilová (CDV)* - Tutor: Evangelia Gaitanidou

Dynamic measurement systems – use of fast driving measuring vehicles for the network-wide recording of night visibility of road markings in dry conditions, *Christian Mathea (BASt)* - Tutor: Irina Mazilu-Eyaz

4.3 TRANSPORT CIVIL AND ROAD ENGINEERING

Chairs: Ricardo Pinto de Castro (moderator & presentations evaluator); **Felipe Jimenez** (presentations evaluator)

Reduction of noise on road surfaces (wearing courses) in the Czech Republic, *Blanka Hablovičová (CDV), Vítìzslav Køivánek (CDV), Petra Marková (CDV)* - Tutor: Fabienne Anfosso Lédée

A review of B-WIM as a SHM application on bridges, *Doron Hekič, Andrej Anžlin, Aleš Žnidarič (ZAG)* - Tutor: Emil Doupal

The approach of k-means clustering as a tool to analyze the Multifunctional assessment Tool for the structural Evaluation and the Design of Pavements (MESAS) Data, *Mahdi Rahimi Nahoujy (BASt)* - Tutor: Jiří Ambros