

Swedish Transport Research Conference

October 22-23, 2025, Linköping University, Campus Norrköping

Day 1 Wednesday October 22

9:30-10:00Registration and coffee in the entrance of Cnema, Campus Norrköping , Coffee/Fruit Visualiseringscenter

10:00-11:30Welcome and keynote speech, Room: Huvudrollen

11:30-13:00Lunch, Visualiseringscenter

13:00-14:30	Room: Huvudrollen S1a: Improving the Passenger Experience Chair: Martin Waldemarsson			Room: Birollen S1b: Electrifying Public & Commercial Transport Chair: Stefan Engevall			Room: Statisten S1c: Railway Network Optimization & Traffic Flow Chair: Rasmus Ringdahl		
	No	Title	Author	No	Title	Author	No	Title	Author
	92756	Evaluation model for Personalization in Passenger Information Systems	Michelle Van Ardenne, Matej Cebecauer, Oded Cats, Zhenliang Ma	93506	From Workshop Insights to Actionable Resilience in Electrified Public Bus Transport	Maria Xylia, Jindan Gong, Björn Nykvist, Joshitha Tottala, Erik Jenelius	93839	Improved traffic flow in railway operations using connected driver advisory systems (C-DAS), optimization and machine learning	Martin Joborn, Zohreh Ranjbar, Oskar Rune, Rebecka Haraldsson, Peter Olsson
	93000	Public Transport Incident Characterization and Exploratory Multimodal Analysis	Daniel Chaves, Matej Cebecauer, Wilco Burghout, Erik Jenelius	93927	Electrification of regional busses in Sweden - the power and energy demand based on different charging strategies	Maria Taljegård, Alice Abrahamsson, Filip Johnsson	93975	Filtering Railway Networks for Fast Train Insertion	David Dekker, Carl Henrik Häll, Anders Peterson, Christiane Schmidt
	93078	Integrating Community-Raised Concerns: A Framework for Improving Public Transport Surveys Informed by Topic Modeling of Open-Text Comments	Elnaz Sarkheyli, Azadeh Sarkheyli	93967	DMDU Scenario Discovery Of Electric Truck Adoption In Sweden	Giancarlo Herring-Catvo	93041	Probabilistic capacity analysis of railway stations with partial closures	Tomas Lidén, Mikael Fredriksson
	93850	Detecting Congestion in Bus Terminals Using Historical Positioning Data	Elic Milet, Fredrik Johansson, Anders Peterson	92722	Resource sharing for the transition to electrified freight	Linnea Haag, Henrik Gillström	93272	Using Incremental Train Timetabling in Case of a TCR	Mikael Fredriksson, Carl Henrik Häll

14:30-15:00Coffee, Visualiseringscenter

15:00-16:30	Room: Huvudrollen S2a: Accessibility & The 15-Minute City Chair: Jonas Westin			Room: Birollen S2b: Human Behavior and Emerging Transport Technologies Chair: Kinjal Bhattacharyya			Room: Utbildningsrummet S2c: Modeling E-commerce & Urban Logistics Chair: Anders Peterson			Room: Statisten S2d: Urban Planning for Sustainable Mobility Chair: Guillermo Pérez Castro		
	No	Title	Author	No	Title	Author	No	Title	Author	No	Title	Author
	93011	The 15-Minute City Around One's Trajectory: Evaluating Food Accessibility for Public Transport Users in Stockholm, Sweden	Erik Jenelius, Cynthia Chen, Erik Jenelius	92912	Human factors for remotely controlled autonomous vessel operation	Rana Saha, Monica Lundh, Scott N. MacKinnon	92778	Developing Scalable Urban Freight Micro-Hubs: A Collaborative Project for Sustainable Urban Freight Transport in Gothenburg	Konstantina Katsela	91991	Understanding Politicians' Positions on Car Restrictive Measures in Sustainable Transitions	ROBERT HRELJA
	93137	Variety in the 15-Minute City: Application and Implications for Accessibility and Transport Infrastructure	Elisa Bernal-Reino, Devon McAslan, Frances Sprei	93919	Learning for sorting: a heuristic learning algorithm for the connected and automated vehicle sorting problem	Xiaolingzi Hu, Jiaming Wu	93951	Modelling Household E-commerce Driven Urban Freight: An Open and Reproducible Framework	Cağlar Tozluoglu, Ivan Dario Cardenas, Iván Sánchez-Díaz, Ann-Brith Strömberg	92947	Urban Planning and Policy Framework for Construction Circularity: Addressing Institutional Logics in Aggregate Reuse	Bosinuola Razaq, Anna Fredriksson, Mats Jänne, Linnea Eriksson
	93049	Accessibility Analysis of a Mobile Travel Planner Application	Johan Holmberg	92973	Leveraging Sidewalk Robots for Walkability-Related Analysis	Xing Tong, Michele Simoni, Kaj Arvidsson, Jonas Mårtensson	93972	Modeling Urban Freight Driven by End Consumers: A Literature Review	Lingxuan Meng, Ivan Dario Cardenas, Ivan Sanchez-Diaz	92984	Convolutional Neural Network-Based Estimation of the Green View Index from Satellite Images	Jinghan Xu, Yancheng Ling, Zhenliang Ma
	92661	Achieving collaboration between local and regional governments, aiming to stagger school starting times	Eva-Lena Eriksson, Helene Lidestam, Lena Winslott Hiselius	92630	Do Electric Vehicle Owners Travel Differently? Evidence From Real Travel Behavior Among Electric and Internal Combustion Engine Vehicle Owners	Elisabeth Lång, Lena Winslott Hiselius, Emeli Adell	93934	Last-Mile Delivery Problem with Flexible Time and Location Options under Stochastic Customer Behavior	Ze Zhou	93794	URBAN DESIGN, SHARED MOBILITY AND PUBLIC SPACES – EXPERIENCES WITH MOBILITY HUBS IN SWEDEN AND ABROAD	Todor Stojanovski

18:15-18:45The future of Norrköping, Film in Wisdome, Room: Wisdome, Visualiseringscenter (Three times, 12 minute film, come and go as you like)

18:30-21:30Mingle plus Dinner, Visualiseringscenter. Dinner served at 19:00

Day 2 Thursday October 23

8:30-10:00	Room: Huvudrollen S3a: Strategic Planning for Rail & Intermodal Freight Chair: Jan Persson			Room: Birollen S3b: EV Charging Strategies & Infrastructure Chair: Daniel Chaves			Room: Utbildningsrummet S3c: Freight Policy, Fleet Management & New Business Models Chair: Joost Pieters			Room: Statisten S3d: Advanced Traffic Flow Modeling & Simulation Chair: Johan Olstam		
	No	Title	Author	No	Title	Author	No	Title	Author	No	Title	Author
	92874	An Optimization Model for Dimensioning a Railway Freight Traffic Plan	Liyun Yu, Tomas Lidén, Nils Breyer, Marduch Tadaros	93960	PRIVATE INVESTOR CENTRIC ANALYSIS OF MIXED CHARGING INFRASTRUCTURE SCENARIOS IN SWEDEN	Gyöző Gidófalvi, Ehsan Saqib	92976	Implementing Spatiotemporal Delivery Flexibility – A power analysis of a triadic network in business-to-business delivery services	Uni Sallnäs, Uni Sallnäs	92946	Integrating traffic simulations into strategic traffic management planning	Samuel Hjorth, Anna Fredriksson, David Gundtegård, Nicolas Brusselaers
	92891	Multi-year planning of railway capacity restrictions	Tomas Lidén, Filip Kristofersson	93961	Joint planning and scheduling of fixed and mobile charging robots constrained to power distribution network	Arsalan Najafi, Kun Gao, Omkar Parishwad	93938	Regional Transition Readiness for Fossil Free Freight	Petra Stelling, Tobias Fors	93443	Freeway travel time estimation using sequential link regression modeling	Henrik Fredriksson, Mattias Dahl, Johan Holmgren
	93025	Using Explainable AI Towards Predicting Quay Crane Downtime	Robert Klar, Anders Andersson, Vangelis Angelakis	93964	Flexible and Fair: User-Centered Electric Vehicle Charging	Fangting Zhou, Jiaming Wu	94126	Adaptive Fleet Replacement under Uncertainty: A Sequential Decision-Analytic Model for Fleet Owners	Simon Frölander, Anna Pernestål, Daniel Noreland	93963	Creation of dynamic OD matrices from travel survey data	Michael Sederlin, Gunnar Flotteröd
	93040	Enhancing Intermodal Wagon Utilization in Swedish Rail Freight	Oskar Pauli, Carl Henrik Häll, Martin Joborn, Zohreh Ranjbar	93958	Price signals and load flexibility in public transport: A cost analysis of electric bus charging	Gabriella Grenander, David Daniels	93064	Analysis of a modular multimodal co-modal transport system	Ivo M. Bruij, Wilco Burghout, Niloofer Minbashi	93144	Exploring the Effects of Utility Function Formulations on Emergent Behaviour in Dynamic Spatial Models	Victoria Kazieva

Coffee, Visualiseringscenter

10:30-12:00	Room: Huvudrollen S4a: Connected Vehicles & Driver Behavior Chair: Elric Millet			Room: Birollen S4b: Public Transport Network Design & Modularity Chair: Guang Wei			Room: Utbildningsrummet S4c: New Mobility & Urban Innovation Chair: Caglar Toztuoglu			Room: Statisten S4d: Infrastructure Planning, Investment & Governance Chair: Nils Breyer		
	No	Title	Author	No	Title	Author	No	Title	Author	No	Title	Author
	93877	Infrastructural Support Service for Connected and Automated Vehicles in Motorway Merging Areas: Impact assessment via traffic simulation	Kinjal Bhattacharyya, Rihanna Gebrehiwot, Johan Olstam	92802	Social-Ecologically Resilient Public Transport Systems: An Assessment Framework	Joshitha Tottala, Erik Jenelius	92250	The Skyway Not the Highway: Reimagining Stockholm's Östlig Förbindelse with Aerial Ropeway Transit (ART)	Laurin F. Maurer	92077	Operational planning of electric ferry lines using mobility simulation models	Chengxi Liu, Henrik Sjöstrand
	93947	Does a warning system influence driver response to approaching emergency vehicles? Evidence from a driving simulator experiment	Kinjal Bhattacharyya, Fredrik Johansson, Joseba Sarabia Lezamiz, Mauricio Marcano Sandoval	92866	A two-step linear programming approach for efficient optimization of public transport network design	Joost Pieters, Erik Jenelius, Zhenliang Ma	92915	Walking Distance and Trip Demand in Response to Shared E-Scoter Availability	Boel Berg Wincent, Erik Jenelius, Wilco Burghout	92767	The relationship between transport investments and long-term location effects – a need for new types of models?	Ida Kristoffersson, Jonas Westin
	11111	Motorists passing cyclists: Identifying events via modularity-based anomaly detection	Jakub Sliacan, Katja Kircher	93908	Realistic Synthetic Demand Generation for Demand Responsive Public Transport	Shairyar Malik, Jan A. Persson, Åse Jevinger	93548	Cargo bikes in North America and Europe – a comparative analysis of implementation and design	Jon Williamsson, Jon Williamsson	93129	Estimating the marginal costs of road renewals by road type	Ajsuna Ragipi Rushid, Maria Börjesson, Kristofer Odolinski
	93342	Road Incident Impact on Route Choice	Anna Danielsson, David Gundtegård, Rasmus Ringdahl, Clas Rydergren	93942	Optimizing corridor bus systems with modular autonomous vehicles and station-wise docking	Wanru Chen, Jiaming Wu	92858	A microscopic model for simulating free riding speed dynamics in bicycle traffic	Guillermo Pérez Castro, Danil Belikhov, Fredrik Johansson, Heather Kathis, Johan Olstam	93894	Living Labs in Ports: How Infrastructure Ownership and Governance Shape Innovation for the Green Transition	Sonia Yeh, Christopher Dirzka, Frans Libertson, Aleksandr Kondratenko

Lunch, Visualiseringscenter

Keynote speech, Room: Huvudrollen

Break

14:15-15:15	Room: Huvudrollen S5a: The Future of Electric Aviation Chair: Anna Danielsson			Room: Birollen S5b: Data-Driven Mobility Insights Chair: Henrik Fredriksson			Room: Utbildningsrummet S5c: Human Factors & Professional Practice in Rail Operations Chair: Carl Henrik Häll			Room: Statisten S5d: Rail System Performance & Governance Chair: David Gundtegård		
	No	Title	Author	No	Title	Author	No	Title	Author	No	Title	Author
	92881	Analysis of Passenger Demand for Electric Air Transportation in Sweden	Ovini Wathma Withanachchi, Tobias Andersson Granberg, Valentin Polishchuk	93885	Estimating Passenger Counts using Passive Bluetooth-WiFi Data: Practical Validation in Antalya and Jürmla	Zhenliang Ma, Pawan Seshadri Venkatesh, Ivo de Geus	92880	Train Driving as Embodied Practice: An Ethnographic Approach	Rebecca Cort	93970	Public Services in Legal Conflict: Neoliberal Governance and the Paradox of Swedish Rail.	Carl-Johan Sommar, Johan Nordensvärd
	93122	Network Design Optimization for Regional Electric Aviation in Northern Scandinavia: Model Expansion and Convergence	Eyrun Aradóttir, Jonas Westin	93974	A Domain Model Approach to Data Interoperability in Urban Mobility: The ELABORATOR Project	Vangelis ANGELAKIS	93965	Passenger-centric analysis of train punctuality: a case study on Stockholm's commuter rail	Abderrahman Ait Ali, Abderrahman Ait Ali	93971	Redesigning the Endorsement Structure for Train Dispatchers	Rabii Zahir, Tomas Lidén, Christiane Schmidt
	93829	Potential effects on air traffic control from electric aviation	Tobias Andersson Granberg, Christoffer Karlsson, Valentin Polishchuk, Balindervir Sekhon									

Farewell coffee, Visualiseringscenter