

GREEN CITIES

GREEN LOGISTICS FOR GREENER CITIES

Szczecin, 22-24 of May 2024



THE CONFERENCE AGENDA

CONFERENCE VENUE (for day 1 and day 2):

Technopark Pomerania – www.technopark-pomerania.pl

Address: 4 Cyfrowa Street (building F2), Szczecin

Bus/tram stop: Niemierzyńska Technopark 12, tram number 3

Taxi: CityTaxi +48 91 433 53 35, Taxi 4You +48 91 483 38 33

The first day: 22.05.2024 (4 Cyfrowa Street, building F2):

10.30 – 11.00	–	Registration of participants (coffee, tea)	
11.00 – 11.30	–	Welcome and opening ceremony: <ul style="list-style-type: none"> • Arkadiusz Marchewka – Secretary of State at the Ministry of Infrastructure • Anna Bańkowska – Vice Marshal of West Pomeranian Voivodeship • Arnold Perepeczo – Vice President of Management Board for Economic and Financial Affairs of Szczecin-Świnoujście Port Authority • Arkadiusz Tomczak – Vice Rector of Maritime University of Szczecin • Stanisław Iwan – Chairman of Scientific Committee 	
11.30 – 13.00	–	Plenary Session – the chair: Stanisław Iwan, Maritime University of Szczecin: <ul style="list-style-type: none"> • Eiichi Taniguchi, Kyoto University: Innovations in city logistics using emerging technologies • Leise Kelli Oliveira, Federal University of Minas Gerais: Exploring the relationship between urban form and urban delivery in Global South Cities • Jose Holguin-Veras, Rensselaer, Polytechnic Institute: The Role of Freight Efficient Land-Uses in Green Cities 	
13.00 – 13.30	–	Coffee/tea break	Parallel poster session I: <ul style="list-style-type: none"> • Paulo Renato de Sousa, Rômulo Barbosa Cavaliere, Shaira Deagostini, Amanda Carvalho, Ana Paula Zuppi, Lívia Brunis Vitorio de Carvallho and Patrícia Simas Pereira. Identification of the Influence of Stress in Bus Drivers on Fuel Consumption in a Large Urban Centers in Brazil • Yurii Davidich, David Foldes and Andrii Galkin. Enhancing the efficiency of emergency response services: planning arrival parameters at emergency sites within the driver's condition • Ewa Hącia and Aleksandra Łapko. Changes in the development of tourism in Polish port cities as a challenge to the planning of city logistics • Natalia Drop and Aleksandra Chelstowska. Emerging Trends in Eco-Logistics: A Review of Sustainable Practices • Agnieszka Szmelter-Jarosz, Michał Suchanek and Beata Chmiel. Micromobility, sharing economy and running business in the city or suburbs – needs and potential demand for cargo-
13.30 – 14.30	–	Discussion Panel I. City-port interaction – the challenge for city logistics stakeholders – the chair: Aneta Szreder-Piernicka, Szczecin-Świnoujście Port Authority: <ul style="list-style-type: none"> • Jose Holguin-Veras, Rensselaer Polytechnic Institute • Michael Stokoe, Transport for NSW • Piotr Krahel, Szczecin-Świnoujście Port Authority • Daniel Saar, DB Port Szczecin 	
14.30 – 15.30	–	Lunch	
15.30 – 16.30	–	Session I – the chair: Leise Kelli Oliveira, Federal University of Minas Gerais: <ul style="list-style-type: none"> • Nilesh Anand, Md. Sujun Mahmud and Ron van Duin. Parcel lockers feasibility analysis 	

<p>considering multi-stakeholder perspectives</p> <ul style="list-style-type: none"> • Russell Thompson, Lynne Thornton, Yi Song, Chenguang Li and Bruce Haack. Estimating the Benefits of Parcel Lockers in Loading Docks of Commercial Towers • Russell Thompson, Lauren Melton, Nuoda Yang, Patrick Han, Yuanhao Lyu and Sina Mohri. Optimising the Location of Parcel Lockers 	<p>oriented sharing economy solutions among Polish companies</p> <ul style="list-style-type: none"> • Dariusz Masłowski, Martyna Zygmuncik-Sobota, Ewa Kulińska and Małgorzata Dendera-Gruszka. Intelligent Lifeline: An Innovative Approach to Improving Safety in Urban Logistics • Maria Matusiewicz. Study of the Potential for Using the Physical Internet in Urban Spaces (Expert insights) • Artur Kujawski, Tomasz Dudek and Mariusz Nürnberg. Enhancement of information resources by image data in the context of urban freight management using image processing and analysis methods • Łukasz Brzeziński and Adam Koliński. Eco-Logistics Development Directions: Future of Sustainable Freight Solutions • Andrii Galkin, Libor Švadlenka, Serhii Lyfenko, Anastasiia Botsman and Antonio Comi. Ex-ante Assessment of Last-Mile Scenarios and Possible Public Policy Interventions: A Case Study of Cargo Bicycles in a mid-size city • Tomasz Dudek and Karolina Kaśkosz. Optimizing drone logistics in complex urban industrial infrastructure. A sustainable approach for multi-floor production sites • Ewa Kulińska, Julia Giera, Małgorzata Dendera-Gruszka. Transport of documentation in cities using drones
<p>18.15 – 22.00 – Social event: Welcome Drink on Board – Szczecin from the river site (ship will start at 18:15 from boulevard close to the Porto Grande Restaurant, 7 Jana z Kolna Street)</p>	

The second day: 23.05.2024 (4 Cyfrowa Street building F2):

9.30 – 10.50	–	Session II – the chair Russell Thompson, the University of Melbourne:	
		<ul style="list-style-type: none"> • Maja Kiba-Janiak, Katarzyna Cheba, Leise Kelli de Oliveira, Ron van Duin and Michael Browne. Environmentally friendly e-commerce returns logistics. How can this be achieved in Poland and Brazil? • Michael Stokoe, Anshul Vijay and Russell Thompson. Evaluating Sydney’s Courier Hub • Lara Damer, Johannes Gruber, Daniel Weiss, Mathias Schulze, Florian Heckert and Alexis Nsamzinshuti. The Intersection of Policy and Practice in the Deployment of Fuel Cell Cargo Pedelecs: Insights from a Comparative Case Study in Multiple Cities • Andrii Galkin, Libor Švadlenka, Radek Vrba and Leise Kelli de Oliveira. Optimizing E-Cargo Bike System for a Medium-Sized City: A Solution for E-Commerce Deliveries in Pardubice, Czech Republic 	
10.50 – 11.20	–	Presentation of innovations in cargo-bikes delivery by DPD Polska	
11.20 – 11.40	–	Coffee/tea break	Parallel poster session II
11.40 – 12.40	–	Discussion panel II. The future of city logistics – will the AI deliver the parcels? – the chair: Stanisław Iwan, Maritime University of Szczecin: <ul style="list-style-type: none"> • Russell Thompson, the University of Melbourne • Eiichi Taniguchi, Kyoto University • Maksymilian Pawłowski, DPD Polska sp. z o.o. • Michał Żuchora, Vitronic Machine Vision Polska • Krzysztof Małecki, Westpomeranian University of Technology 	<ul style="list-style-type: none"> • Jagienka Jowanka Rzeźny-Cieplińska and Krzysztof Ziółkowski. Impact and Implications of Data Collection Systems on effective urban freight management • Jacek Zając, Damian Dubisz and Adam Koliński. Multi-criteria analysis of road transport service providers as a method to support decision-making within sustainable supply chains • Natalia Wagner, Stanisław Iwan, Kinga Kijewska and Sidsel Ahlmann Jensen. The Knowledge-based City Logistics till 2030 - the Trends and Challenges • Andrii Galkin, Libor Švadlenka, Radek Vrba and Stanisław Iwan. Deciphering Urban E-commerce Behaviours in Smart Cities • Andrii Galkin, Libor Svadlenka and Stanisław Iwan. Navigating the Future of Urban Logistics Through Strategic Freight Buffer Zones and Dynamic Freight Management • Surjeet Dalal, Umesh Kumar Lilhore, Magdalena Radulescu
12.40 – 12.50	–	AI for the traffic flows analysis – Argos and SSPX systems by Vitronic	
12.50 – 13.40	–	Lunch	
13.40 – 15.00	–	Session III – the chair Eiichi Taniguchi, Kyoto University:	

<ul style="list-style-type: none"> • Carlos Rivera, Ziang Feng, Hasan Bayanouni, Kevin Carr and Matthew Roorda. A Freight Data Repository as Foundational Pillar for Urban Freight Research • Michael Stokoe, Masoud Kahalimoghadam and Russell Thompson. Urban industrial land provision and the efficiency of last mile logistics networks • Stanisław Iwan, Kinga Kijewska, Krzysztof Małecki, Wojciech Konicki, Patryk Górka and Michał Żuchora. The Web Application For Freight Transport Pollution Analysis • Gracielle Gonçalves Ferreira de Araújo, Luísa Tavares Muzzi de Sousa, Lilian dos Santos Fontes Pereira Bracarense and Leise Kelli Oliveira. Exploring e-commerce preferences among young population 	<p>and Izabela Dembińska. Developing Hybrid LSTM based platform for efficient freight distribution in urban areas</p> <ul style="list-style-type: none"> • Petar Mitić, Milena Kojić Aida Hanić, Aleksandra Fedajev, Magdalena Radulescu and Izabela Dembińska. Factors Influencing Electric and Hybrid Vehicle Adoption in Serbia: A Sociodemographic and Policy Perspective • Małgorzata Dendera-Gruszka, Ewa Kulińska, Julia Giera and Dariusz Masłowski. A smart city based on Industry 4.0 • Kinga Kijewska, Milena Bojanowska, Karolina Nadolska and Wojciech Konicki. Model of dispersion pollutants from road transport in street canyons on the example of Szczecin and Oslo • Stanisław Iwan, Kinga Kijewska, Krzysztof Małecki, Wojciech Konicki, Patryk Górka and Michał Żuchora. Utilization of Web Application for Urban Freight Transport Pollution Analysis • Kinga Kijewska, Natalia Wagner, Marianne Knapskog, Joanna Nowakowska-Grunt and Beata Skowron-Grabowska. The Expectations in Regards of SULP Development • Kinga Kijewska, Natalia Wagner, Marianne Knapskog and Sidsel Ahlmann Jensen, The SULP Development Guide for Polish and Norwegian Cities • Howard Weir, Kinga Kijewska, Joanna Nowakowska-Grunt, Beata Skowron-Grabowska and Michał Żuchora. The Data Collection for Urban Freight Traffic Analysis • Natalia Boichuk, Anna Bruska, Sabina Kauf, Iwona Pisz, Agnieszka Tłuczak, Sabina Wyrwich-Płotka. Content analysis of literature on Industry 4.0 technologies in smart cities
<p>15.00 – 15.30 – Coffee/tea break</p>	
<p>15.30 – 16.30 – Discussion panel III. The cities as a junctions of European Transport Corridors – the chair: Krzysztof Żarna, Maritime University of Szczecin:</p> <ul style="list-style-type: none"> • Ron van Duin, Rotterdam University of Applied Sciences • Maja Kiba-Janiak, Wroclaw University of Economics and Business • Piotr Kupczyk, Department of Transport of Greater Poland Voivodeship Marshal Office • Ewa Kurjata, Spatial Planning Office of the City of Szczecin 	
<p>18.30 – 23.00 – Social event: Gala Dinner in Maritime Scientific Centre (transfer bus will start at 18.00 from Szczerbcowa Str. No 4 – Faculty of Economics and Engineering of Transport, building B)</p>	

The third day: 24.05.2024 (4 Szczerbcowa Street):

9.00 – 10.30	– Session IV – the chair Ron van Duin, Rotterdam University of Applied Sciences <ul style="list-style-type: none">• Antonio Comi, Olesia Hriekova and Marco Cortese. Home delivery: analysis of the choice of reception (on-line presentation)• Hafssa Ridaoui, Imane Moufad and Fouad Jawab. Towards Sustainable and Smart Urban Logistics (on-line presentation)• Andrii Galkin, Teresa Gajewska, Mariia Olkhova and Joris Beckers. Urban Spatial Attributes Impact on the Efficiency of Freight Networks: A Comparative Study in Krakow, Kharkiv, and Pardubice• Aleksandra Chelstowska, Oleksandra Osypchuk and Katarzyna Sosik. The impact of construction projects implementation on the quality of life in urban areas• Elisa Midori Moreira, Márcia Veronica Alves, Paulo Renato de Sousa, Robson Gomes Rafael, Samilla Gomes da Cruz, Talita Neres Trivelin and Thiago Soares Costa Aguiar. Freight Transportation in Large Urban Centers: a business model that promotes the generation of value for customers of small and medium-volume freight services
10.30 – 11.00	– Summary and closing ceremony – Stanisław Iwan, Maritime University of Szczecin
11.00 – 11.30	– Coffee/tea break
11.30 – 13.30	– Study visits (after additional registration) (transfer buses will start from Szczerbcowa Str. No 4 – Faculty of Economics and Engineering of Transport, building B)