

POINT OF VIEW

3 Cooperative cities



Are cooperative and automated vehicles the best course of action?
Ondřej Přibyl

STRATEGIES

6 A three-point turn for climate ambition in transport

Did climate talks in Glasgow steer the world towards a paradigm shift?
Daniel Bongardt
Marion Vieweg
Nadja Taeger



BEST PRACTICE

9 Charging infrastructure and charging methods for electric buses

Focus on the city of Shenzhen in China which has the world's largest fully electric fleet of buses
Elisabeth Gütl

12 Data as a force to shape future urban mobility

Bridging the data divide to shape a just digital transformation for climate-friendly urban mobility
Lena Plikat
Frederic Tesfay

14 From trucks to tracks

Promoting rail freight transport in emerging economies
Friedel Sehlleier
Tanya Mittal
Xuan Ling
Karen Martinez Lopez
Deepak Baindur

KNOWLEDGE AT A GLANCE

Previously published issues of International Transportation

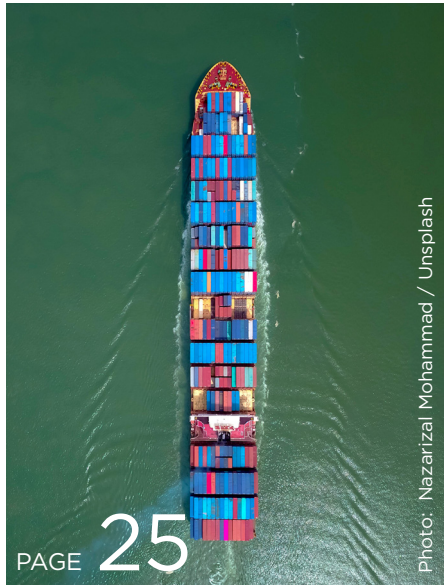
Oct 2021: Changing the Game
Oct 2020: Transforming Transport
June 2019: Best practice
May 2018: Urban Mobility
May 2017: Managing Public Transport
May 2016: Smarter on the move
Oct 2015: Looking ahead
May 2015: Urban transport



international-transportation.com

CONTENT

Collection 2022



PAGE 25

PRODUCTS & SOLUTIONS

- 18 Bundling challenges in Hub-and-Spoke networks**
Focus on rail transport with a case of MegaHub in Hannover-Lehrte
Ralf Elbert
Hongjun Wu
- 22 Modular platform concept for shunting locomotives**
Sustainable vehicle architectures for existing vehicles through modularity
Julian Franzen
Jannis Sinnemann
Udo Pinders
Walter Schreiber
- 25 CADMUSS – an innovative project to improve maritime safety**
Sönke Reise
Carsten Hilgenfeld
Diego Piedra-Garcia
- 28 Modern authentication solutions for fleet management**
Safe on the road thanks to driver identification and access control
Johannes Weil



PAGE 30

SCIENCE & RESEARCH

- 30 Generating robust dispatching solutions**
Taking into account block sections' operational risk
Ullrich Martin
Markus Tideman
Weiting Zhao
- 33 Transport policies – in challenging times**
European Friedrich-List-Award 2022 and European Transport Congress
- 34 Models for optimizing parallel public transport services**
Between and within parallel domestic (long-distance and regional) public transport services
András Lakatos
- 37 Design of transport infrastructure considering sustainability criteria in selected German regions**
Stefan Schomaker
- 39 Effects of travel time VMS on urban traffic**
Attitudes to travel times displayed on variable message signs and effect on route choice
Renáta Bordás
- 42 Lightweight design of the Extended Market Wagon**
An innovative freight wagon developed in Fr8Rail 4, a Europe's Rail project
David Krüger
Christian Gomes Alves
Nicolai Schmauder
Mathilde Laporte
Robert Winkler-Höhn
Gerhard Kopp
- 46 Projects in a nutshell**
Overview of selected mobility research projects

COLUMNS

- 49 Forum**
Events
- 50 Editorial panels | Imprint**