

### ■ Poster Session 3 :

• Date & Time... 9:20 - 13:30, Thursday 12th, March

#### • Topics of the Call for Papers...

2. Impact of climate change and extreme weather on Winter Service (WS) as well as WS environmental aspects and decarbonisation
3. Road Weather Information and Forecast for Winter Service
4. Implementation of new technologies and methods in winter operation
5. Winter Maintenance Management
6. Communication and use of Data from cars and roads for Winter Service
8. Winter Service on bicycle infrastructure
9. Improved Planning for Resilience of Road Networks and Road Organisations
10. Management and Resilience Building for Disasters
11. Rural Roads Resilience in a Changing Climate
17. Earthworks & Earth Structures faced with climate changes
22. Decarbonisation of road construction and maintenance
23. Comparative Analysis of the Evolution of Road Statistics

• Venue... Gallery 2, Savoieexpo, Chambéry

#### • Related Oral Sessions

[W10 - Evaluations of effect in winter maintenance regarding climate change \(T2\)](#)  
[W11 - AI for road status information \(T4\)](#)  
[W12 - De-icing material and application \(T4\)](#)  
[W13 - Decision support for winter maintenance \(T3\)](#)  
[W14 - Winter Maintenance Management in different Countries \(T5\)](#)  
[W20 - Special Aspects of Winter Maintenance Management \(T5\)](#)  
[W21 - Use of Digital data to assist Winter Service \(T6\)](#)  
[W22 - Innovation in Infrastructure and Organisation \(T4\)](#)  
[W23 - Use of Data from Vehicles \(T6\)](#)  
[W24 - Cyclist Mobility and Sustainable Winter Maintenance \(T8\)](#)  
[R05 - Improving resilience planning \(1.4\)](#)  
[R06 - Organizational resilience: what & how? \(1.4\)](#)  
[R10 - Rural Roads Resilience \(2.2\)](#)  
[R11 - Extreme Weather: Coping Mechanisms \(1.5\)](#)  
[R12 - Extreme Weather: Cooperative Solutions \(1.5\)](#)  
[R13 - Earthworks facing climate change \(4.3\)](#)  
[D05 - Decarbonisation of construction & maintenance Part 1 \(4.5\)](#)  
[D06 - Decarbonisation of construction & maintenance Part 2 \(4.5\)](#)  
[D09 - Comparative Analysis of the Evolution of Road Statistics \(RSC\)](#)

Topics of the Call for Papers	Reference No.	Last Name of the first author	First Name	Title of the paper in English
2. Impact of climate change and extreme weather on Winter Service (WS) as well as WS environmental aspects and decarbonization	12	Quack	Dietlinde	Determination of Basics and Evaluation Methods of a Life Cycle Assessment of the Winter Road Service
2. Impact of climate change and extreme weather on Winter Service (WS) as well as WS environmental aspects and decarbonization	174	NAMIKI	YUYA	"Preventive Road Closures" on Expressway in Japan
2. Impact of climate change and extreme weather on Winter Service (WS) as well as WS environmental aspects and decarbonization	380	Vaillant	Damien	Freezing precipitation
2. Impact of climate change and extreme weather on Winter Service (WS) as well as WS environmental aspects and decarbonization	410	Liaboeuf	Garance	Evaluation of the long-term impact of steel snowplows on the skid resistance of road surfaces
3. Road Weather Information and Forecast for Winter Service	57	Bendsen	Magnus	Winter Road Intelligence Project – From data to decisions through standardization and technology
3. Road Weather Information and Forecast for Winter Service	85	Rossi	Olli	Road Weather Digital Twin in Nordic conditions
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3. Road Weather Information and Forecast for Winter Service	129	Woodcock	Jodie	Climate and Isotherm Analysis for Improved Efficiency in Highway Winter Maintenance Operations, Weather Forecasting, and Route Planning
3. Road Weather Information and Forecast for Winter Service	136	Mohammadi	Nafiseh	Unlocking Strategic Value in Winter Maintenance Simulations
3. Road Weather Information and Forecast for Winter Service	212	Harada	Yusuke	Development of a System to Support Decision-Making on Winter Road Management Using Digital Archives of Severe Blowing-Snow and Heavy
3. Road Weather Information and Forecast for Winter Service	213	HANYU	Takuro	Strategic Disaster Risk Management System
3. Road Weather Information and Forecast for Winter Service	402	Van den Bergh	Joris	Enhancing the Belgian road weather forecasting system with a machine learning based road weather model
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4. Implementation of new technologies and methods in winter operation	366	LANGLET	MICHAEL	A manager's strategy for improving the safety of winter maintenance workers through the data-materials-C-ITS triad
4. Implementation of new technologies and methods in winter operation	391	Žalimienė	Laura	Effectiveness of Alternative Deicing Materials Depending on Application Rate, Air Temperature, and Time after Application
5. Winter Maintenance Management	39	Li	Hao	Research and application of intelligent snow-melting and ice-prevention system in South China
5. Winter Maintenance Management	60	OKA	TOSHIYUKI	Efficient winter road operations that prioritize safety on expressways in snowy and cold regions
5. Winter Maintenance Management	84	Arakawa	Ryo	Research for more Efficient Management Methods of Snowbank on Highways
5. Winter Maintenance Management	204	Gündemir	Anil	Winter maintenance management of the Big Almaty Ring Road project in Almaty, Kazakhstan
5. Winter Maintenance Management	296	Nielsen	Sven-Martin	100 years of FGSV and 75 years of Germany's Federal Road Administration: Standing together for the Rules and Regulations of Winter Road
5. Winter Maintenance Management	437	TAFRAOUTI	Nouaman	Province of El Hajeb
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6. Communication and use of Data from cars and roads for Winter Service	64	Söllén	Sofia	Evaluating suppliers of connected vehicle data for follow-up tire-road friction wintertime – A field test
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6. Communication and use of Data from cars and roads for Winter Service	277	Salmi	Anna-Karin	Shared Road Condition Data for Reliable Bus Services
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9. Improved Planning for Resilience of Road Networks and Road Organisations	199	PAUC	Jennifer	Climate Risk Assessment on 20 Operation and Maintenance Projects Worldwide to Improve their Resilience to Climate Change
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9. Improved Planning for Resilience of Road Networks and Road Organisations	414	Meijer	Lieke	Enhancing Resilience Planning for Road Networks and Organizations with Advanced Modeling Tools
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22. Decarbonisation of road construction and maintenance	178	Krenz	Oliver	Carbon Reduction in Road Infrastructure: A Study of Scenario-Based Assessments for Sustainable Project Planning
22. Decarbonisation of road construction and maintenance	184	BURGHGRAEVE	Ludovic	Decarbonising roads by using alternative materials : the French approach
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23. Comparative Analysis of the Evolution of Road Statistics	390	ASAKAM	Mohamed	Overview of Road Infrastructure in Morocco: Structure, Extent, and Evolution