■**Poster Session 4** :
・**Date & Time... 9:20 - 13:15, Friday 13th, March**　　　　　　　・**Venue... Gallery 2, Savoiexpo, Chambery**
・**Topics of the Call for Papers...**　　　　　　　　　　　　　　・**Related Oral Sessions**

3. Road Weather Information and Forecast for Winter Service
4. Implementation of new technologies and methods in winter operation
5. Winter Maintenance Management
7. Winter Service in Urban Areas
14. Asset Management Measures for reducing risks and improving the resilience of road networks
16. How to apply innovative ITS technologies delivering decarbonised and climate resilient network operations
19. Road solutions for the decarbonization in Urban and Periurban areas

W15 - Alternative technologies for melting snow and ice (T4)
W16 - Strategies and Guidelines for Winter Maintenance Management (T5)
W17 - Use of AI for winter maintenance (T3)
W18 - Winter Maintenance Management in special situations (T5)
W19 - Winter Service in Urban Areas (T7)
R07 - Resilience and sustainable operation of tunnels (4.4)
R08 - Resilient Roads: Smarter Asset Management (3.3)
R09 - Building Better Roads: Engineering for Resilience (3.3)
D07 - Innovative ITS for Decarbonisation and resiliency (2.4)
D08 - Roads for Decarbonised urban & peri-urban mobility (2.1)

Topics of the Call for Papers	Reference No.	Last Name of the first author	First Name	Title of the paper in English
3. Road Weather Information and Forecast for Winter Service	102	Saida	Akira	The test implementation of a wide-area road snow and ice condition estimation system using road CCTV cameras and deep learning
3. Road Weather Information and Forecast for Winter Service	109	Ouattara	Hamed	Real-Time Road Weather Classification Using Neural Networks and Surveillance Cameras
3. Road Weather Information and Forecast for Winter Service	192	Lesseur	Clemens	Scalable Detection of Weather-Related Road Conditions Through Color Space Analysis and Deep Learning on Traffic Camera Images
3. Road Weather Information and Forecast for Winter Service	420	Tsurumaki	Ryoichi	Utilization of a road disaster search system using deep learning techniques and its applications.
4. Implementation of new technologies and methods in winter operation	143	Sugihara	Yukinobu	Resource saving and high efficiency of snow melting systems through snow depth control
4. Implementation of new technologies and methods in winter operation	235	Kawamura	Takashi	Snow-melting pavement using high-thermal-conductive concrete mixed with synthetic graphite
4. Implementation of new technologies and methods in winter operation	242	Julia	Pablo	Winter service on a four-lane highway with a single truck and big side plough
4. Implementation of new technologies and methods in winter operation	278	Andersson	Christer	Circular salt for sustainable road maintenance
4. Implementation of new technologies and methods in winter operation	291	ATTIA	Thomas	Innovative anti-ice and anti-snow pavement system using electroconductive paint
4. Implementation of new technologies and methods in winter operation	293	Konishi	Nobuyoshi	Practices for Acquiring and Handing Down Snow Removal Skills in the Age of Information and Communications Technology
4. Implementation of new technologies and methods in winter operation	377	Nouchi	Saeki	The snow-melting system with sewage heat in Japan
5. Winter Maintenance Management	37	GUIMBAUD-SAMUEL	Nicolas	Standardization of winter service practices following the merger of local authorities
5. Winter Maintenance Management	220	Hatamoto	Keigo	Thermal Mapping Analysis for Effective Installation of Road Heating Systems
5. Winter Maintenance Management	224	Candel	Indalecio	Functionality of the emergency parking plan for heavy vehicles during winter season
5. Winter Maintenance Management	228	Eklund	Björn	Introduction of friction control with vehicle data in Winter Maintenance Contract
5. Winter Maintenance Management	232	Hoffmann	Markus	Predictive Winter Maintenance – key role for effective winter service: research strategy, implementation & results
5. Winter Maintenance Management	247	Hoffmann	Markus	Winter maintenance – why do we have limits ? slope, skid resistance, snowfall rate, truck type, and cycle times
5. Winter Maintenance Management	251	REIFF	Rémi	Deployment and Support of a Sustainable Winter Viability Action Plan
7. Winter Service in Urban Areas	219	Sakurai	Natsumi	Developing Winter Road Management for the Non-snowy Greater Tokyo Area
7. Winter Service in Urban Areas	302	Csajbók	Kitti	Rubber-Ice Friction Testing: The Effect of Ice Surface Design
7. Winter Service in Urban Areas	370	Wilson	Vantrease	Beyond Snow and Ice: Wind Management with Roadside Trees to Support Social Life and Local Economies in Winter Cities
14. Asset Management Measures for reducing risks and improving the resilience of road networks	2	Focaracci	Alessandro	AI & Smart Tunnel: Improving road tunnel resilience by dynamic and predictive risk analysis
14. Asset Management Measures for reducing risks and improving the resilience of road networks	52	Demory	Charles-Henri	Resilience in asset management. Examples from Switzerland.
14. Asset Management Measures for reducing risks and improving the resilience of road networks	132	saarenketo	timo	Improving Road Resilience in Cold Climate Roads Using Proactive Maintenance
14. Asset Management Measures for reducing risks and improving the resilience of road networks	147	YOSHIDA	Kazuki	An Initiative for Load Rating in Truss Bridges
14. Asset Management Measures for reducing risks and improving the resilience of road networks	173	Sastrawiria	Risma Putra Pratama	The Role of High Precision Life Cycle Cost Analysis in Supporting Bridge Asset Management on Road Networks
14. Asset Management Measures for reducing risks and improving the resilience of road networks	182	Suomela	Susanna	Utilizing innovative, low-cost digital survey data in gravel road asset management
14. Asset Management Measures for reducing risks and improving the resilience of road networks	195	SIGAUD	Jean-Michel	Improving the resilience of hydraulic structures to climate change - A method for identifying structures at risk requiring intervention
14. Asset Management Measures for reducing risks and improving the resilience of road networks	269	Bishop	David	Implementation of resilience measures for the Queensferry Crossing during ice accretion events
14. Asset Management Measures for reducing risks and improving the resilience of road networks	314	FAVRE	David	Traffic regulation in the Tarentaise
14. Asset Management Measures for reducing risks and improving the resilience of road networks	339	FAVRE	David	Making the RN90 safer in the Ponserand gorges
14. Asset Management Measures for reducing risks and improving the resilience of road networks	372	Reinhardt	Uwe	Layer-accurate condition prediction of municipal asphalt roads for maintenance management using axle load and temperature measurement data
14. Asset Management Measures for reducing risks and improving the resilience of road networks	394	Knuuti	Markku	Challenges to road resilience due to higher masses and electric vehicles - an HDM-4 study of the Finnish road network
14. Asset Management Measures for reducing risks and improving the resilience of road networks	411	van Marle	Margreet	Enhancing Road Network Climate Resilience to Wildfires
14. Asset Management Measures for reducing risks and improving the resilience of road networks	421	Edwards	Joanne	Assessing high road surface temperatures on England's Strategic Road Network and the implication for climate resilience
14. Asset Management Measures for reducing risks and improving the resilience of road networks	429	KERMEL	Yannick	Pavement design and climate change
14. Asset Management Measures for reducing risks and improving the resilience of road networks	439	Paterson	John	State of the City - London's Road Infrastructure Health Report
16. How to apply innovative ITS technologies delivering decarbonised and climate resilient network operations	26	BACELAR	ALEXIS	How have occupancy sensors enabled the installation of HOV lanes in France ?
16. How to apply innovative ITS technologies delivering decarbonised and climate resilient network operations	200	Siems-Anderson	Amanda	Applying Intelligent Transportation Systems to Support Weather and Climate-Resilient Operations through the Clean Energy and Equitable Transportation Solutions NSF-UKRI Global Center
19. Road solutions for the decarbonization in Urban and Periurban areas	288	SAURAT	Jérome	A new carpool lane on the A7 motorway
19. Road solutions for the decarbonization in Urban and Periurban areas	295	STRAUSS	Alexandre	Approach to the mobility of the territory's workers
19. Road solutions for the decarbonization in Urban and Periurban areas	301	Dekker	Bauke	Wireless Opportunity Charging: A Scalable and Sustainable Solution for Electrifying Public Transport
19. Road solutions for the decarbonization in Urban and Periurban areas	393	LUZERNE	Mathieu	The French carpooling development strategy
19. Road solutions for the decarbonization in Urban and Periurban areas	438	ROUSIC	Sandrine	Road Traffic Management for the Southern Coastline of Marseille