Special Issue

Advance in Transportation Meteorology (3rd Edition)

Message from the Guest Editors

Transportation is one of the most crucial aspects across the world, supporting the daily life of human beings and the sustainable development of the whole society. Meteorology causes various impacts on the transportation operation, safety and efficiency. In recent decades, concentrated and continuous efforts have been made to carry out meteorological analyses regardless of the urban traffic or transportation conditions, including those of highways, shipping, aviation, etc. A number of methods and techniques have been intensively developed to promote the qualities of both observations and forecasts. More recently, state-of-the-art machine learning frameworks have also been widely introduced into studies regarding transportation meteorology and many other fields. The current Special Issue seeks original reviews and papers encompassing all aspects related to the abovementioned topics, from observations, forecast method, formation mechanism to influence analysis of transportation meteorology and linked extreme events, aiming to explore the well-established but rapidly growing field of transportation meteorology and to prevent and reduce the associated hazards more sufficiently.

Guest Editors

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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