Special Issue

Impacts of Climate Change on Transportation Infrastructure, Networks and Nodes

Message from the Guest Editor

There is growing concern about the impacts of climate change on the transportation system as they may be connected with the destruction of transport infrastructure and limit the availability of transport services. In many parts of the world, we have recently witnessed disruptions in transport infrastructure or transport limitations that were related to extreme weather events. With the continued warming of Earth's surface, an increase in the intensity, frequency and duration of the adverse effects of climate change on transportation are expected in the coming decades. Thus, studies are needed that assess and address the impacts and risks for the transport system that are connected with climate change and extreme weather events. It is important to act now, as many transportation assets are very long-lived, and planning and implementation processes are generally very time-consuming. Innovative solutions are required for climate change adaptation as well as sustainable development of the transport system resulting from a dialogue between science, policy and practice.

Guest Editor

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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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