Special Issue

Road Transportation Carbon Emissions and Decarbonization Pathways

Message from the Guest Editors

In pursuing climate goals, transportation has been regarded as one of the primary responsible sectors for carbon emissions mitigation due to its reliance on fossil fuels. This Special Issue aims to capture the latest research in the fields of road transportation carbon emissions with advanced low-carbon technologies coexisting. Topics of interest for the Special Issue include but are not limited to:

- Calculation and simulation methods for carbon emissions analysis;
- Life cycle assessment on highway or urban road infrastructure;
- Green travel behavior or goods transportation;
- Public transportation emissions;
- Comparison analysis of multi-modal transportation;
- Performance analysis of traffic emission reduction policy;
- Integrated simulation of environment economic policy for urban transport carbon emission reduction;
- Zero carbon technology and carbon negative technology in road transportation;
- Advanced technologies experimental, numerical, or analytical studies.

Guest Editors

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Deadline for manuscript submissions

closed (8 December 2023)

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About the Journal

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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