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Transportation Decarbonization: Advanced Vehicle Technologies and Their Social, Economic, and Environmental Impacts

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Deadline for manuscript submissions: **31 March 2022**



Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we are looking for leading research on advanced technologies, industrial strategies and policies for deep decarbonization, and their social and environmental impacts from the vehicle industry. These studies should be quantitative and focus on transportation decarbonization. Relevant topics include:

- Challenges and opportunities in advanced battery materials, electric vehicles, hydrogen fuel-cell vehicles, internal combustion engine using zero-carbon fuels, and other decarbonized technologies in vehicle use;
- Intelligent application and optimization of low- and zero-carbon powertrain technologies combining with electricity (V2X), hydrogen, or other renewable power sources;
- Impacts of autonomous driving and shared mobility on transportation mode choices and decarbonization;
- Lifecycle analysis for improving the measurement of transportation decarbonization;
- Social and environmental impacts and practices of the industrial strategies and government policies on vehicle decarbonization.

Dr. Shiqi(Shawn) Ou Dr. Xin He Dr. Xu Hao *Guest Editors*







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Message from the Editor-in-Chief

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