



Smart Mobility and Energy Transitions

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Message from the Guest Editor

Dear colleagues,

Solar energy and biofuels, from urban metabolism waste, together with public and shared transportation, could pave the way towards a more sustainable mobility system that helps to ensure smart city targets. Biorefineries from urban metabolism waste streams, e.g., solid urban waste/urban wastewaters, can be explored for transport-related material building blocks and advanced biofuels.

Papers are welcomed in the following areas:

- Plug-in hybrid and pure electric bus systems simulation and monitoring of PM2.5, NO_x, NH₃, and black carbon;
- Ethanol hybrid ED95 bus and flex-fuel vehicles simulation and monitoring of PM2.5, NO_x, and NH₃, and black carbon;
- Shared mobility systems and evaluation of their success in suppressing conventional private modes;
- Low-cost sensor networks for traffic related air quality monitoring and historical trends;
- Biorefinery systems for sustainable transportation (biopolymers and biofuels from waste resources);
- Solar powered charging stations for e-mobility;
- Well-to-wheels of alternative transport systems.





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Message from the Editor-in-Chief

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