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Smart Mobility and Energy Transitions

Guest Editor:

Prof. Dr. Carla Silva

Department of Geographic,
Geophysics and Energy
Engineering, Faculdade de
Ciências, Universidade de Lisboa,
Campo Grande 1749-016 Lisboa,
Portugal

camsilva@ciencias.ulisboa.pt

Deadline for manuscript
submissions:

closed (31 March 2020)

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 PM_{2.5}, NO_x, NH₃, and black carbon;
- Ethanol hybrid ED95 bus and flex-fuel vehicles simulation and monitoring of PM_{2.5}, 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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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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