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Urban Air Mobility

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In the short term, airspace in the metropolitan environment will be shared by traditional manned vehicles and (mainly electric) unmanned vehicles, flying at low or very low levels, covering a wide range of services, and contributing at the same time to reducing the carbon footprint left by our daily activity. In this sense, the concepts of urban air mobility (UAM) and unmanned aircraft system traffic management (UTM) are currently being developed by public and private organizations both in Europe and America.

This Special Issue focuses on all the technical issues related to UAM. The topics of interest include, but are not limited to, the following:

- UAM concept of operations ;
- Unmanned aircraft system traffic management;
- Low-altitude airspace monitoring;
- Collision-free air navigation;
- Manned/unmanned aircraft coexistence in integrated airspaces;
- Cooperative/swarm navigation;
- Autonomous navigation;
- eVTOL vehicles;
- Air-to-air and air-to-ground communications;
- UAM services;
- UAM modeling, simulation, and evaluation;
- Other issues (environmental, social, economic, regulatory, etc.)

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Message from the Editor-in-Chief

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