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The Weather and Pollution Sensing for Intelligent Transport Systems

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

This Special Issue aims to highlight recent breakthroughs in road weather and air pollution sensing in the scope of CCAM technologies and applications; therefore, we seek high-quality submissions featuring both robust theoretical advances and practical engineering aspects. The topics of interest include but are not limited to:

- Weather-aware cooperative perception;
- Standards to accommodate weather/pollution data;
- Field trials;
- Road weather or pollution models;
- Impact of adverse road weather conditions in automated driving;
- Road sensors;
- Onboard pollution sensors;
- Cooperative sensing;
- Security and privacy issues;
- Massive machine type communications for CCAM;
- Software agents for cooperative sensing;
- Ad-hoc and mobile networks for the collection layer;
- High-definition dynamic maps with weather and pollution data;
- Weather and pollution sensing technology;
- Big data and AI for weather or pollution prediction;
- Personal handheld devices as sensing peripherals;
- Vehicular communications;
- Case studies;



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Special Issue



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Message from the Editor-in-Chief

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