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Abstract Submission

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<Pre><Pre>resentation Title>

The Estimation and the Prediction of Real World Driving Emission from Diesel Passenger Vehicle Based on SEMS Measurement

<Abstract>

Every year, due to exhaust gas regulations that are getting stricter, the average air pollution throughout Japan is going to be solved, but the local roadside pollution is still pressing issue. In order to solve this local roadside pollution problem, it is necessary to evaluate and/or predict "where" and "how much" pollutants such as NOx are emitted. In this study, a real world running test was carried out using a diesel passenger vehicle equipped with SEMS (Sensor-based / Simple Emission Measurement System), and the actual situation of local roadside pollution was investigated. In addition, based on the measurement results, we tried to predict the NOx emission trend on the real world from the geographical information of the route.