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(57) Abstract :  
 INTEGRATION OF IOT AND DEEP LEARNING APPROACHES FOR AIR POLLUTION MONITORING IN SMART CITIES Generating, as a function of the air pollutant, a fingerprint for the habitable structure. A system for monitoring air quality using public transportation, the system includes many taxis and buses running on some bus lines in an urban area as a monitoring vehicles. The tail gas monitoring method on the road is based on gas sensors and an intelligent honeybee network, it is characterized by the real-time monitoring of emissions from vehicles amount on urban roads by the cognition technology of electrochemical sensors and wireless sensor technology. A plurality of monitoring equipment, pollution factor qualitative modules, pollution factor quantitative modules, and a fixed tower. The difference of weather information carries out a joint correction to the sensing data, and the big density for having been disposed sensing station point is micro-atmosphere pollution data under environment. An air heater is provided downstream of the boiler and recovers the heat of the flue gas from the boiler. A first precipitator is provided downstream of the air heater and reduces dust in the flue gas after heat recovery.

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