



Contribution ID: 133

Type: **Poster**

Air Pollution Estimates from Vehicular Emissions in Amphoe Muang Lampang, Thailand

Thursday, 25 May 2017 17:45 (15 minutes)

In this research, engine emissions from different vehicle age, type and used fuel in Amphoe Muang Lampang in Thailand were measured and studied with a portable gas combustion analyzer. Concentrations of carbon monoxide (CO), carbon dioxide (CO₂), oxygen (O₂), nitrogen oxides (NO_x) and sulfur dioxide (SO₂), as well as exhaust gas temperature (flue temperature, FT), net calorific efficiency (Eff_n) and gross calorific efficiency (Eff_g) were measured. Together with vehicle number statistics gathered from the Lampang Land Transport Office, results from this study will be used to estimate the amount of vehicular pollution released.

Primary authors: Ms AUDWING, Pawika (Lampang Rajabhat University); Ms POUTONG, Porntiwa (Lampang Rajabhat University); Prof. SONKAEW, Thiranan (Lampang Rajabhat University); Dr MACATANGAY, Ronald (National Astronomical Institute of Thailand)

Presenters: Ms AUDWING, Pawika (Lampang Rajabhat University); Ms POUTONG, Porntiwa (Lampang Rajabhat University)

Session Classification: Poster Presentation II

Track Classification: Environmental Physics, Atmospheric Physics, Geophysics and Renewable Energy