

Seminar Series 2013-2014

Southern Ontario Centre for Atmospheric Aerosol Research
University of Toronto

Near-road measurement of traffic-related pollutants



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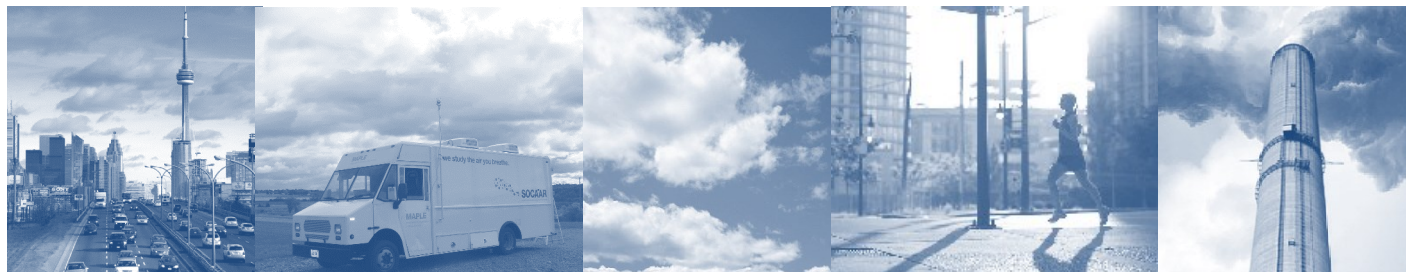
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Elevated concentrations of traffic-related air pollutants can arise near major roadways. As a result, living and spending significant time near major roadways has been identified as a risk factor for a range of adverse health outcomes; the health of up to 10 million Canadians may be at risk. A nationwide near roadway monitoring study has been initiated to better understand the exposure of Canadians to traffic related pollution. Data from this study will also help resolve the amount of air pollution arising from Canada's vehicle fleets, by evaluating emissions from individual vehicles and the resulting diurnal and weekend/weekday temporal patterns of traffic-related pollutants. In this seminar, the near-road monitoring network study will be introduced. Initial measurements of spatial gradients and temporal variations of traffic-related pollutants and fuel-based emission factors from individual vehicles will be presented.

March 5, 2014, 3 - 4 pm

Wallberg Building, 200 College Street, Room 407



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