April 2, 2024

<u>PhD</u> position studying wildfire emissions using novel technologies. Interested in atmospheric chemistry, wildfires, and challenging yourself in outdoor, remote field work? We have an ideal position for you studying the complexity of wildfire emissions with novel sampling technologies.

Assistant Professor Dr. David McLagan, PI of the Fire, Earth, Water, Air Contaminant Biogeochemistry Lab in the <u>School of Environmental Studies</u> (SES) and <u>Dept. of Geological Sciences & Geological Engineering</u> (GSGE) at Queen's University, is offering a doctoral research opportunity to study the atmospheric science/chemistry of wildfire emission using mobile sampling platforms and low-cost, light-weight air-quality sensors. Wildfire smoke is dynamic; plumes evolve chemically over time. Hence, exposures to smoke near-to and remote-from fire sources are not the same. Near-source wildfire smoke monitoring is a massive logistical challenge, which means we lack the