

Reducing particulate air pollution from wood heaters

A large Ontario based company needs to significantly reduce particulate air pollutant emissions from its wood fueled heaters to meet upcoming regulations. This experimental study will modify the fluid flow, heat transfer and catalyst to meet the regulations and understand the underlying processes that effect the pollutant emissions.

Category: MEC, EngSci,

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Designing burners for biomass derived pyrolysis oil.

Canadian companies are producing pyrolysis oil from waste biomass. This can be used to replace fuel oil. However a better understanding is needed of the combustion of pyrolysis oil in burners. This is an experimental study.

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