

**Fire Management Systems Laboratory – [Professor Dave Martell](#)****Opening: MScF students**

Professor Martell is seeking two M.Sc.F. students to study forest and wildland fire management systems.

His formal education is in Industrial Engineering and he and his students use operations research, management science (OR/MS) and analytics methods to further their understanding of fire management systems and to develop fire management decision support systems that fire managers can use to enhance the performance of their fire management systems.

He is a member of the NSERC/CANADA Wildfire Strategic Network that was been awarded an NSERC Strategic Partnership Grant for a five year period beginning in 2020 and he the leader of the Network's Theme 5, Delivering Innovative Fire Management Solutions.

He is seeking M.Sc.F. students to work on airtanker management, inter-provincial fire suppression resource sharing and related topics. Research on these topics calls for a background in quantitative methods (e.g., undergraduate linear algebra, statistics), software (e.g., python) and spatial analysis (e.g., GIS software). Practical fire management experience would be a definite asset.

Interested students should send Professor Martell a copy of their CV and a list of undergraduate courses completed to [david.martell@utoronto.ca](mailto:david.martell@utoronto.ca).