

## Université de Montréal

## **Abstract**

"It is now well established that small planets, Earths and super-Earths, are abundant in the solar neighbourhood. At least one quarter of nearby low-mass stars have an Earth-size planet in their habitable zone. Currently in operation, the Transiting Exoplanet Surveye6uvSat1cmbe. 8ic1 (()2.2 (T)-5.6 (E)2 (SS))-5.3-3.is finding the clo