

**YORK UNIVERSITY  
THE CENTRE FOR RESEARCH IN EARTH AND SPACE SCIENCE  
and  
DEPARTMENT OF EARTH AND SPACE SCIENCE  
AND ENGINEERING**

# **SEMINAR**

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## **JC2Sat Design Challenges**

### **ABSTRACT**

Japan Canada Joint Collaboration Satellites (JC2Sat) is a joint JAXA and CSA nanosatellite project with the goal of design, build, launch and operate two nanosatellites for the following objectives: i) demonstration of formation flying using differential drag technique; ii) demonstration of relative navigation using commercial GPS receiver and iii) demonstration of miniature far infra-red radiometer. This presentation will discuss some of the design challenges encountered in the project.



Refreshments will be served at 3:20 p.m. in 317 Petrie.

**DATE:** Wednesday, March 3<sup>th</sup>, 2010  
**TIME:** 3:30 p.m. to 5:00 p.m.  
**LOCATION:** Room 317, Petrie Building