

## TITLE

“One giant leap, for you! Setting up for success in the space sector.”

## ABSTRACT

In this seminar, MAE graduate Adam Vigneron (MASc 2014) will share guidance for MAE graduates in their future endeavours drawn from his own first decade in the space sector.

First, for industry-minded folks, he will present strategies for getting a space job; here, he will draw on his experience performing industry-sponsored research as well as his experience as a working engineer in the Canadian and European space sector. Second, for the academically inclined, he will present strategies for scholarship application and international academic experience, the latter being particularly useful in a space sector where Canada is always playing nice with others.

Supporting both of these audiences, Adam will be joined by Carleton’s Mitacs representative, Ana Boika, who will talk about how Mitacs can support students in getting some professional experience while focusing on their research.

## BIO

Adam Vigneron is a postdoctoral researcher within the Spacecraft Robotics and Control Laboratory at Carleton University in Canada. His research explores the use of iterative learning control for the improved tracking of inspection trajectories for spacecraft proximity operations. In parallel, Adam co-develops the Spacecraft Proximity Operations Testbed at Carleton, the only air-bearing table of its kind in Canada.

Adam completed his doctoral dissertation at the Institute of Flight Mechanics and Control at the University of Stuttgart, Germany, working in close collaboration with Science Future Programmes at Airbus Defence and Space in Friedrichshafen, Germany. Adam's doctoral research focused on methods of unified attitude control for the fast acquisition and re-acquisition of scientific satellite constellations.

Before resuming his studies, Adam spent three years at the European Space Operations Centre (ESA/ESOC) working as a contractor in support of navigation experimental operations for Galileo. Adam has been active in various corners of the space community for over a decade, including paid and volunteer positions with the Canadian Space Agency, the Canadian Space Society, the International Space University, the Space Generation Advisory Council, and Young ESA.