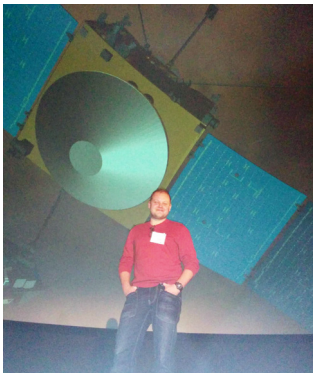




# Seminar Series

Thursday, February 19, 3:30 PM  
Space Research Building Auditorium  
Room 2246



**Arnaud Stiepen**  
University of Liège

## **Ultraviolet observations of the atmospheres of Venus and Mars and implications for their dynamics**

The ESA Mars Express and Venus Express spacecrafts carry similar ultraviolet spectrographs (namely, SPICAM and SPICAV) that observe the upper atmosphere of Mars and Venus. The airglow and aurora they observed were used as tracers of the dynamics, structure and composition of the upper atmosphere (between 80 and 180 km).

I present a summary of the motivations for such studies, recent discoveries and implications for the IUVS instrument onboard the NASA/MAVEN spacecraft.