



Welcoming the WUSAT-3 Team!

15/12/2015

End of Term 1

The Team

From left to right: Stephen, Rokas, Sean, Bill (project director), Tom, Kalen and Antoni.



We are pleased to welcome the team for 2015/16, who will be kick-starting the third WUSAT mission.

The Mission

Our project is to design and build a CubeSat for launch from the International Space Station in ~2018. We are excited to announce we will be working with Roke Manor Research to support the ICARUS initiative (icarusinitiative.org). The project '*analyzes the migratory behavior of birds and bats in order to anticipate the spread of diseases and natural disasters*' using tags on the animals which send information to the International Space Station. WUSAT-3 hopes to support this initiative through monitoring the communication frequency used by ICARUS, in order to map interference hotspots.

Our Progress

Our first model for the satellite has been produced in Solidworks, and is shown right. The CubeSat design we have opted for is a 3-unit CubeSat, which is effectively 3 10cm cubed satellites stacked on top of each other. At the top end of the CubeSat is a deployable antenna array, which will be the receiver for the ICARUS signals.



For more, please feel free to contact Stephen at s.betts@warwick.ac.uk