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## Gastvortrag

# ESMO – A Student Space Mission

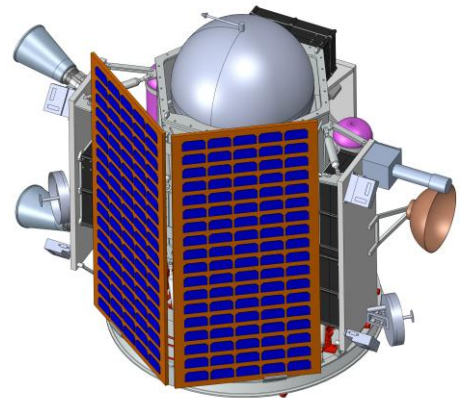
Alexander Connaughton (University of Warwick)

Dienstag, 10.07.2012, 10:00 Uhr  
Bibliothek des Institutes, Inffeldgasse 18/1 (HS01020F)

ESMO is the first Lunar satellite entirely designed by students. 19 universities across Europe are each responsible for a different satellite sub-system: Warwick University in the UK have been designing the Electrical Power System.

The Electrical Power System consists of three main subsystems; the solar cell arrays, the battery, and the power control system. Each section provides different constraints and demands on the others. Though designed by the students, the physical components used to make these systems are supplied under sponsorship agreements with many 'blue-chip' companies.

This presentation will explain the most recent progress of the Warwick ESMO team, the current state of the entire mission, and the benefits of such large-scale projects to students of engineering.



**Alexander Connaughton** is a recent masters graduate from the University of Warwick UK in Systems Engineering, with a specialization in electronics. He has prior experience in the electronic lighting industry, however most recently he has contributed to the European Space Agency's Student Moon Orbiter project, working on the orbiter's power system.