

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
On Track - Undergraduate And Postgraduate Space Education (2)

Author: Ms. Amandine Denis
University of Liege, Belgium, Amandine.Denis@ulg.ac.be

Mr. Jonathan Pisane
University of Liege, Belgium, jpisane@ulg.ac.be
Prof. Jacques Verly
University of Liège, Belgium, jacques.verly@ulg.ac.be
Prof. Gaetan Kerschen
University of Liege, Belgium, g.kerschen@ulg.ac.be

EDUCATIONAL ASSESSMENT OF FOUR YEARS OF CUBESAT ACTIVITIES AT THE
UNIVERSITY OF LIÈGE, BELGIUM

Abstract

The University of Liège started CubeSat activities in 2007 with a single-unit nanosatellite, OUFTI 1. The innovative feature of OUFTI-1 is its main payload: the D-STAR amateur-radio digital-communication protocol. OUFTI-1 will also carry an innovative electric power system and high-efficiency solar cells. The main objective of this project is educational: it aims at providing hands-on experience to students in the design, construction, and control of complete satellite systems. Students also have the opportunity to develop different skills such as working in a team, managing projects and participating in reviews.

Students take part in the OUFTI-1 project within the framework of their master thesis. The fourth generation of students will graduate in June 2011. This will lead to a total of 39 students that were involved in the project. The objective of this contribution is to carry out a survey aiming at assessing the educational outcomes of OUFTI-1. The survey focuses on the careers of former students. The impact of participating in such a project is envisioned, as well as the perception of former students about the developed skills.