



## Newsletter n°1

### 20 November 2009

#### FIRST NEWSLETTER

The OUFTI-1 team is happy to issue its first newsletter. The objective is to provide you regularly (about 5 letters per year) with news and information about the project.

Please let us know if you prefer not to receive subsequent newsletters.

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#### PRESENTATION AND DEMONSTRATIONS TO CONCLUDE THE ACADEMIC YEAR 2008-2009

Last year ended with a presentation, entitled “OUFTI-1 realizations and prospects” to our industrial and academic partners. The presentation was followed by demonstrations of the various prototypes built during this year. Our guests were apparently impressed by the progress accomplished during the academic year.

✉ Presentation can be found in “[Documents](#)” section of our website.

#### FIVE AWARDS FOR OUFTI-1

The excellent work performed by the students in 2008-2009 was rewarded by numerous prizes. Five students received a “best thesis award”: Vincent Beukelaers (mission analysis and space flight simulation), Samuel Hannay (passive attitude control), Lionel Jacques (thermal analysis), Philippe Ledent (experimental digitally-controlled electrical power supply), and François Mahy (telecommunications).

Moreover, Lionel Jacques received the first Wallonie Espace Award (assigned to the best thesis in Aerospace Engineering), and Laurent Chiarello (ground segment) received the prestigious Baudouin Elleboudt Award.

✉ Master theses are in “[Documents](#)” section of our website

✉ Details and pictures about Baudouin Elleboudt Award are on [their website](#).

#### PRESENTATION OF THE PROJECT FROM LIÈGE TO DAEJEON

We had three occasions to present the OUFTI-1 project: the first one to the general public and ten astro/cosmo/taïko-nautes in the framework of the Space Week in Liège (16 September), the second one to an audience of European CubeSats developers during the PICO- & NANOSATellites workshop in Würzburg (PINA 2009, 1-3 October), and the last one to an audience of space specialists during the International Astronautical Congress (IAC 2009, 12-17 October) in Daejeon, Republic of Korea.

✉ Presentations are in “[Documents](#)” section of our website

✉ Details (including full video) about the Space Week in Liège are on [Reflexion](#) website

## NEW TEAM FOR OUFTI-1

Fourteen students from the University of Liège (from various disciplines, such as electrical engineering, computer science, aerospace engineering, physics engineering), from the HEPL-ISIL and HELMO-Gramme engineering schools, and from the University of Louvain make up the team for the academic year 2009-2010.

☞ Pictures and presentations are on the [“Team” section](#) of our website

## CURRENT WORK

The first months were dedicated to internships. Students also had to acquire knowledge related to the whole project, including the work accomplished during the previous academic year.

Students have now undertaken various tasks, such as tests of prototypes (EPS, xEPS), design (COM, RF), modelling and simulations (THER), and construction of real-life subsystems based on last year results (ADCS).

The main technical challenges for this year are now the communications subsystem, for which we can now benefit from the added expertise of the University of Louvain, and the on-board computer software.

## NEXT NEWSLETTER

The next newsletter, planned for 15 January 2010, will be more focused on a description of the state of advancement of the various subsystems at the end of 2009.

In the meantime, news and information can be found on the OUFTI-1 website:  
[www.oufti.ulg.ac.be](http://www.oufti.ulg.ac.be).

The OUFTI-1 team is pleased to collaborate with numerous partners and thanks them for their support.



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