

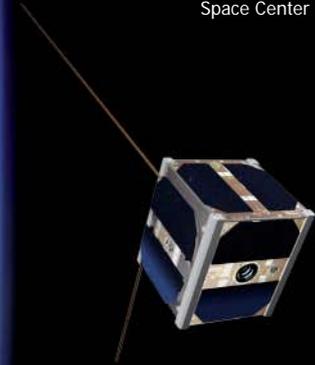
Newsletter

N° 3 - May 2010

EDITORIAL

The main event since the last newsletter has been the successful launch of SwissCube on 23 September 2009. This project was able to attract not only 200+ students since 2006 but was also a fantastic networking opportunity between our industrial (RUAG Space), institutional (SER-SSO), research (CSEM), and academic partners (HES-SO, FHNW, University of Neuchâtel). It allowed also fostering space education and promoting system engineering, topics which are very close to the heart of the Space Center EPFL. Enjoy the reading!

Maurice Borgeaud
Director
Space Center EPFL



ANNUAL REPORT 2009

The Annual Report of the Space Center EPFL, summarizing the activities performed in 2009, has been published and an electronic copy is available at <http://space.epfl.ch/page64669.html> in PDF format.

SPACE CENTER EPFL
ELD013, Station 11
CH-1015 Lausanne
Tel: + 41 21 693 69 48
<http://space.epfl.ch>

Fostering, promoting and federating space technology
across education, science and industry
in Switzerland and internationally.

SWISSCUBE

Since its launch in September 2009, the satellite has been operating very well and contacts between SwissCube and the ground stations in Lausanne and Fribourg are established on an almost daily basis. Due to a high tumbling rate, it is not possible at the present time to operate the telescope to map the airglow phenomena but the rotation rate is slowing down and we are hopeful to acquire the first images soon. In the meantime, thanks to telemetry data, plenty of information is obtained on the health of the satellite. More at <http://swisscube.epfl.ch> and <http://swisscube-live.ch>.

CALL FOR PROPOSALS

A "Positioning Measure" to reinforce the technological and scientific capabilities of Swiss entities in the space sector has been issued by the Swiss Confederation to promote education, research and innovation. Responsible for this activity, the Swiss Space Office of the State Secretariat for Education and Research (SER/SSO) has decided to initiate this Call for proposals and has entrusted the Space Center EPFL to implement it. The deadline to submit proposals has been set to 1 June 2010. More information at <http://space.epfl.ch/page72041.html>.

ESA SYSTEM ENGINEERING WORKSHOP

As local organizer, the Space Center EPFL will host the 4th International Workshop on System & Concurrent Engineering for Space Applications (SECESA-2010) on 13-15 October 2010 at EPFL. SECESA-2010 aims at providing agencies, companies, organizations, universities, and institutes with a forum of excellence in the area of System Engineering (SE) and related techniques and methodologies. Concurrent Engineering, SE innovative approaches, enabling methodologies, latest tools and techniques will be presented so as to promote the creation and exchange of ideas and the identification of new trends and required developments for complex applications not only related to space. Deadline to submit papers has been set to 4 June 2010. More information at <http://www.congrex.nl/10C08/>.

TRAINING COURSE

The Space Center EPFL will organize on 5-6 October 2010 a training course entitled "Dynamic Management and Systems Engineering of Space Projects" for members of the Swiss space industries and academic institutions. Based on the successful courses organized in the past on ECSS standards and space radiation, the topic for the 2010 course will be dedicated to space engineering and fostering space innovation. The deadline to register has been set to 31 August 2010 and more information may be browsed at <http://space.epfl.ch/page70568.html>.

FUTURE PROJECTS

Based on the tremendous SwissCube success obtained by the Space Center EPFL together with its academic and industrial members, three future space projects are being considered for possible implementation. Initial concepts for a space debris-removal mission, a small telescope to monitor exo-planets, or a constellation of small satellites in the frame of an international mission will be further investigated. Preliminary studies are being currently performed to assess the technical requirements and feasibility of these missions that will require spacecrafts substantially bigger and more powerful than SwissCube but still remaining in the nano-satellite class.

Please send an email to martine.harmel@epfl.ch if you wish to sign in or opt out of this newsletter.