



University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

Ground Stations Mission Operations *The practical case of IXV project*

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4 December 2015, 11.00
Aula Seminari ex Dipartimento di Elettronica, piano D

Abstract: The IXV project is part of the ESA Future Launchers Preparatory Program (FLPP), testing critical re-entry technologies. The first European re-entry vehicle has been successfully launched from Kourou (French Guyana) on February the 11th 2014. In the frame of this project Telematic Solutions has been involved as responsible of the IXV Transportable Ground Stations to ensure tracking of the vehicle, TM reception and communication with the Mission Control Center. Two ground stations have been deployed in order to satisfy IXV requirements, including the Naval Station installed on board the Recovery Ship. This one will be presented as a real applicative case of Telemetry Ground Stations focusing the attention on the mission operations and training phases.

Bio: Marta Cametti was born in Velletri, Italy, in 1983. She received the MS Degree in Electronic Engineering in October 2009 and his Ph.D. in electronics in January 2013 from the University of Pavia, Italy. She worked at her graduation thesis at the École Polytechnique of Montréal, Québec, Canada, for the "Design and testing of a radiometer system at 35 GHz". Her Ph.D. research activity was mainly focused on the study of reflector antennas for data communication with meteorological and deep-space satellites. Since September 2011 she is working as ground segment system engineer for the Telematic Solutions Srl, Milan, Italy.

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Seminar in English

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