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Cansat project of Enrico Fermi Institute Rome partecipated at the GJC 2012 .

WHAT IS A CANSAT? The CanSat is a pseudo satellite of the size of a can that, through two microcontroller (Arduino Pro Mini 3.3V 8 MHz), acquires and processes data from analog and digital sensors and, as well as save them on board through a data logger , it transmits them in real time to the ground with the serial transmission module: XBee 60mW. The CanSat must fulfill two missions. The primary mission is to measure the temperature (TMP36) and humidity (HIH - 4030) , while the secondary mission provides for the measurement of atmospheric pressure (MPX411A) and landing piloted through the use of two servomotors and an inertial sensor (composed of a 3-axis accelerometer, a 3-axis gyroscope and a magnetometer) which utilizes a graphical interface made ??specifically to drive the CanSat from the land base.

To partecipate in the new edition of GLOBA JUNIOR CHALLENGE, 27 to 30 october 2015, Rome, fill out the form under the heading of the site: "Rules"

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