

Microélectronique et instrumentation MESRST:03/UR/13-04



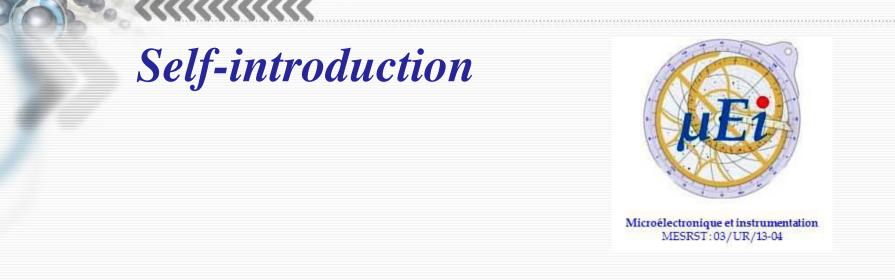


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➤ Master's degree (2013) : Micro and nanoelectronic

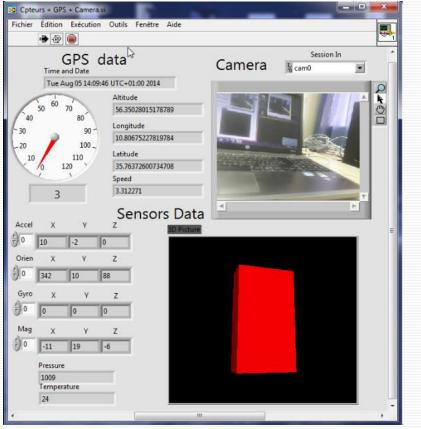
Doctoral thesis project : Development of nano-satellites design and data management include low-cost space systems

Self-introduction

Study of the adaptation of smart-embedded systems for space applications

Proposal of an idea for reducing cost and consumption

Realization of embedded prototypes

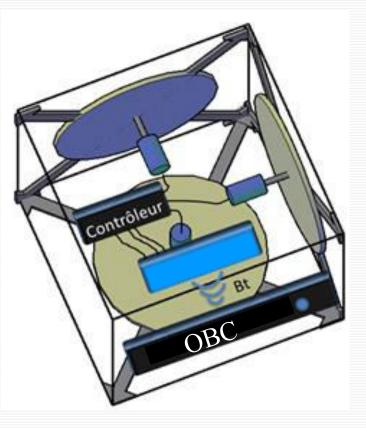




Control and monitoring design

Data management based on smart embedded system

Attitude determination and control





Mission Idea Contest 3



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Nanosatellites Monitoring for Human health Control

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Abstract

Growth, hyperfereiton, diskeles, inegular heatbeat, COPO (Chronic Dathouther Pulmonary Disease) are examples of such common heath problems which requires periodically and contrast which to metical contents for monitoring. The the bactboard method for analysis is costly for daily control. Therefore, the associatelities bactboard problems which requires periodically and evidence and monitoring. If offer the problem to independ which are the particular and the problems which requires periodically and evidence and monitoring. If offer the problem to independ which are the particular and the problems which methy have a writen condition court. Furthermore, the system calls and periodic problems with beineddeed and system which can are displayed scores and approved scores for not are well or angle to a supplicit content for periodical periodic procedure, optimal chronic disease care and approved scores for not are well or angle to angle to the score of the structure of the score of the score



lite Concept A 1-unit OutleSat emissiged with COTS components. We propose the following architecture which contains the main subsystems of the satellitie is ComSpace Name manage data as an On Board Data Handling, a ADCS subsystem to control the statilization of the satellite and a banemittenhoosiver to communicate with the ground stat d A712 used t Orbit

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Thank you for your attention

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