UNISON ITALY



Presenter: Alice Pellegrino





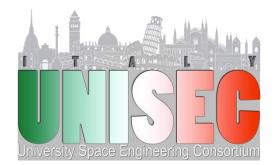
6th UNISEC Global Meeting – Student Presentation Strasburg (France), 21st of November 2018



UNISON Italy

UNISEC and UNISON Italy have been established in July 2015







UNISON Italy







LA SAPIENZA



UNIVERSITY OF BOLOGNA



POLYTECHNIC OF TURIN





UNISON Italy REPRESENTATIVES



MARCELLO VALDATTA

Student representative for University of Bologne



ALICE PELLEGRINO

Italian representative for UNISEC Italy / Student representative for "La Sapienza", University of Rome



LUIGI MASCOLO

Student representative for Polytechnic of Turin



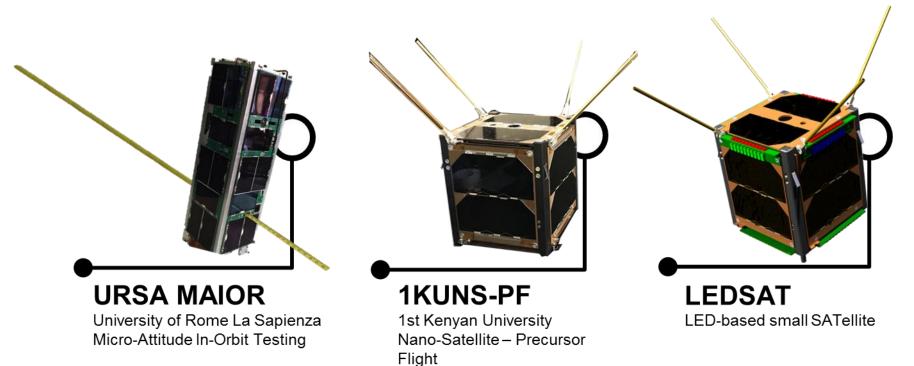
LEANDRO IORIO

Student representative for University of Rome "Tor Vergata"





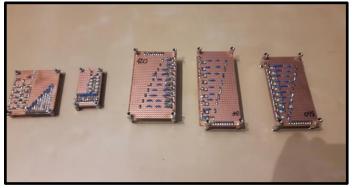
S5Lab CubeSat projects:



RADIOMETRIC TESTS

- Dominant wavelength measurements
- Irradiance measurements

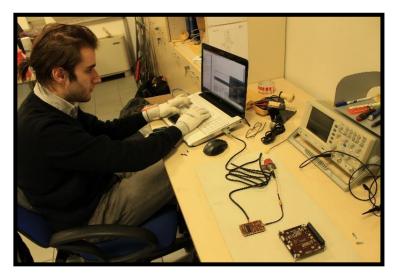






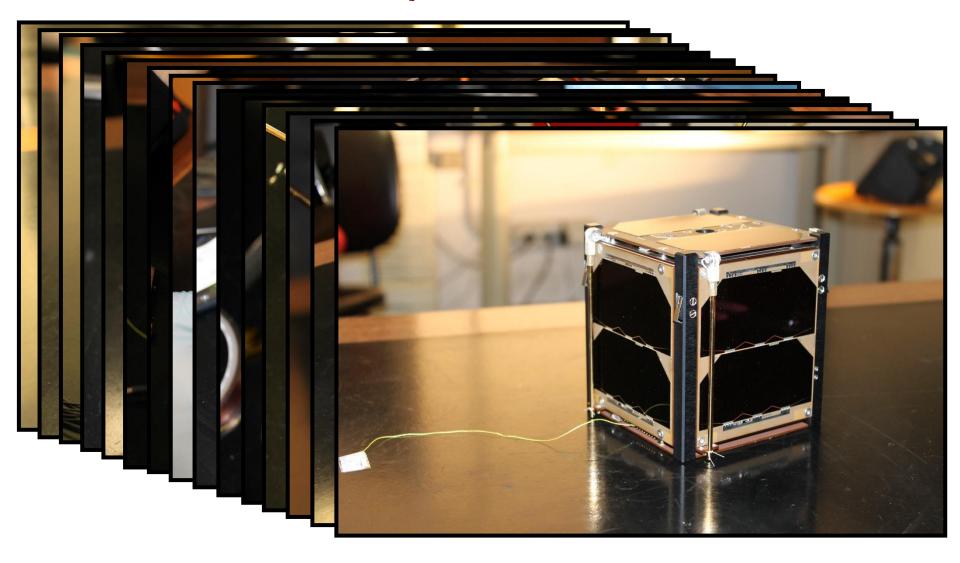
Colour	GREEN	RED	BLUE
Dominant wavelength (min. – max.) [nm]	498 - 512	620 - 624	468 - 472
Measured dominant wavelength [nm]	505	621	470
Irradiance (at 0.5 m) [W/m ²]	9.72 x 10 ⁻²	1.33 x 10 ⁻¹	1.29 x 10 ⁻¹
Measured irradiance (at 0.5 m) [W/m ²]	2.3 x 10 ⁻¹	2.70 x 10 ⁻¹	4.6 x 10 ⁻¹

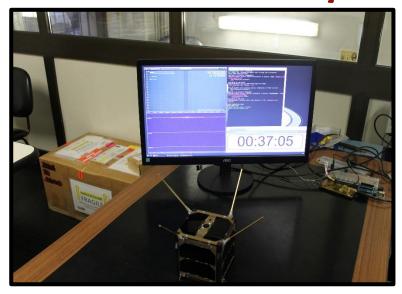


















🕽 1KUNS-PF GUI

Log 19:39:57 [098] : R: Message received 19:39:57 [098] : Telemetry of 19/09 19:54:29	Telemetry (T) Pictures (I) Parameters System (S) GS management (G) Picture Map (A)	(P)	
19:40:00 [ARM] : Requested current telemetry 19:40:05 [ARM] : Requested current telemetry 19:40:09 [ARM] : Requested current telemetry 19:40:12 [ARM] : Requested current telemetry 19:41:14 [] : 19:41:14 [] :			
20:47:03 [DIE]: User "Die-srv" connected 20:48:55 [DIE]: User "Diego" connected 20:49:00 []: User "Diego" (151.100.1.80) timed out 21:04:17 []: User "Die-srv" (151.100.1.80) closed the GUI 21:04:20 [DIE]: User "Die-srv" connected 21:06:34 []:			
21:06:34 []: New passage 21:07:41 []: Resetting AX100 Ground Watchdog 21:07:41 [DIE]: Unknown command. [Prefix 0x02 (2)] 21:17:29 []:	5 5 5 9 03;26:04 15 5 00;25:51 15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
21:17:29 []: 21:18:59 [ARM]: User "Armando" connected 21:30:32 []: User "Die-srv" (151.100.1.80) timed out 21:30:34 []: User "Die-srv" connected 21:30:50 []: User "SLab-MB" (151.100.1.80) timed out 21:31:14 []: User "Die-srv" (151.100.1.80) timed out 21:31:14 []: User "Die-srv" (151.100.1.80) timed out 21:31:14 []: User "Die-srv" (151.100.1.80) timed out	30°S 45°S 60°S 75°S	2	
Calendar selector and clock Clear Map			
Image: settembre 2018 Junit Juni	Commands scheduler and GS100Radio and RotorNext command delay19/09/201819:01:39Record command (B)Doppler139 Hz AzimuthSet from calendar (C DopplerElevation at scheduled time: -41Record command (B)NormalRSSI-105 dBm BGNDSet from calendar (C Set delayPing A3200Ping AX100NormalReset GS100AOS in LOS in43m 30s Set delaySet delay seconds (C	(F)	



S5Lab Space Debris projects:





S5Lab Space Debris projects:





BEXUS Team: TARDIS Experiment









BEXUS Team: TARDIS Experiment





MIC Team: HEMERA Constellation





Additional Activities

THE GROWTH OF TOMATO PLANTS MICRO-TOM IN SPACE ENVIROMENT

TEAM MICRO-TOM



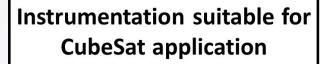
2nd place winner at the 5th International Pre-MIC and project currently ongoing at S5Lab



Additional Activities

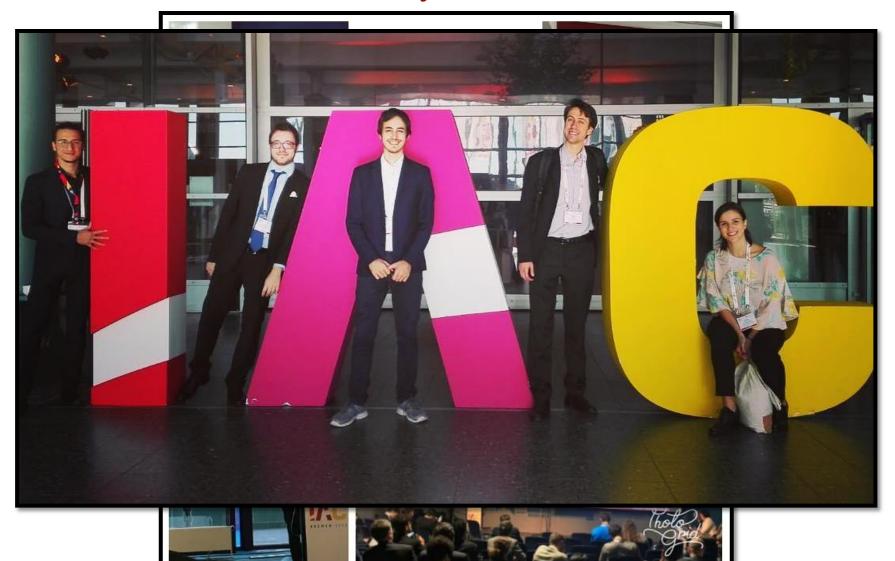


Micro-Tom Plants growing in the Rome - Urbe Sapienza Space Environment Simulator chamber



2nd place winner at the 5th International Pre-MIC and project currently ongoing at S5Lab

International Space Conferences



International Space Conferences



International Space Conferences



UNISON Italy Official Website

http://unisonitaly.eu



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UNISON ITALY

VERSIONE ITALIANA

ENGLISH VERSION

UNISON Italy Last Updates

New Italian Student Representive

Paolo Marzioli

PhD student in Aerospace Engineering at Sapienza University of Rome

System Engineer of the LEDSAT Project



Questions?



6th UNISEC Global Meeting Strasburg (France), 20th of November 2018





