UNISON ITALY

Presenter: Alice Pellegrino
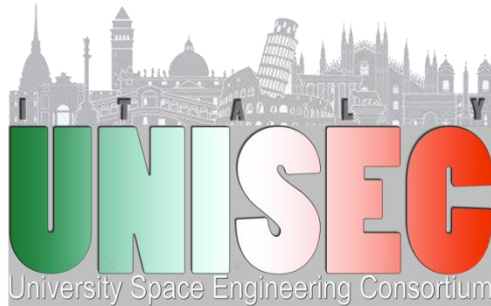
SAPIENZA
Università di Roma

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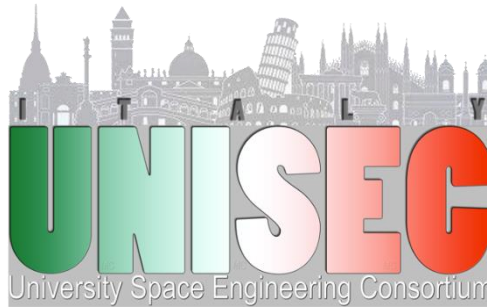
UNISON Italy

UNISEC
University Space Engineering Consortium

↓

UNISON
UNISEC Student OrganizatioN

UNISEC and **UNISON Italy** have been established in July 2015

UNISON Italy

LA SAPIENZA

UNIVERSITY OF BOLOGNA

POLYTECHNIC OF TURIN

TOR VERGATA

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

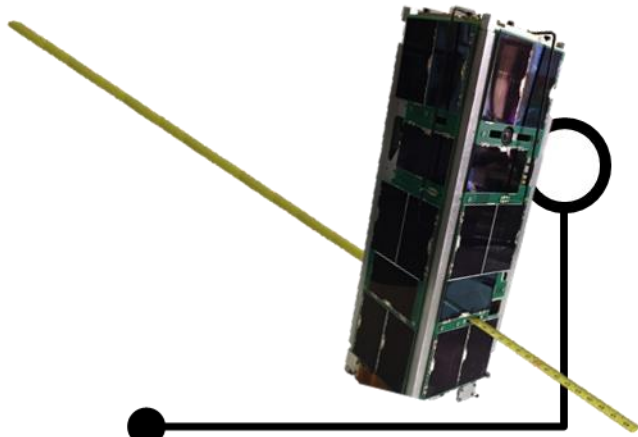Student representative for Polytechnic of Turin

LEANDRO IORIO

Student representative for University of Rome "Tor Vergata"
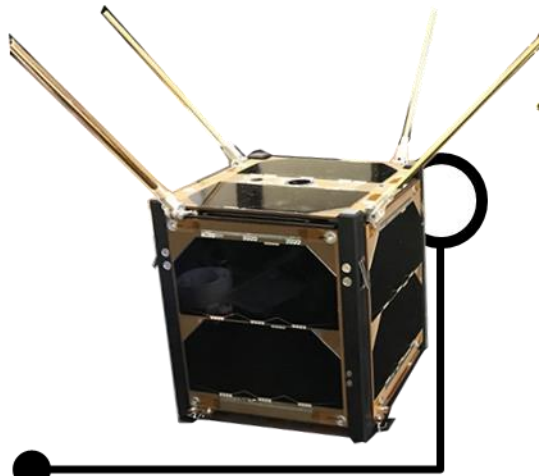
UNISON Italy Student Activities
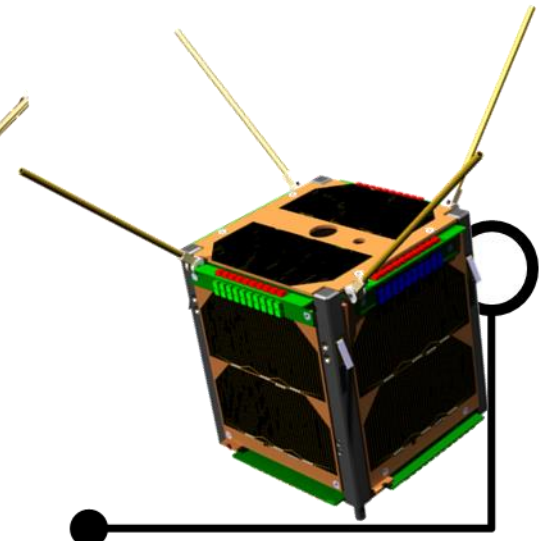
S5Lab CubeSat projects:

URSA MAIOR
University of Rome La Sapienza
Micro-Attitude In-Orbit Testing

1KUNS-PF
1st Kenyan University
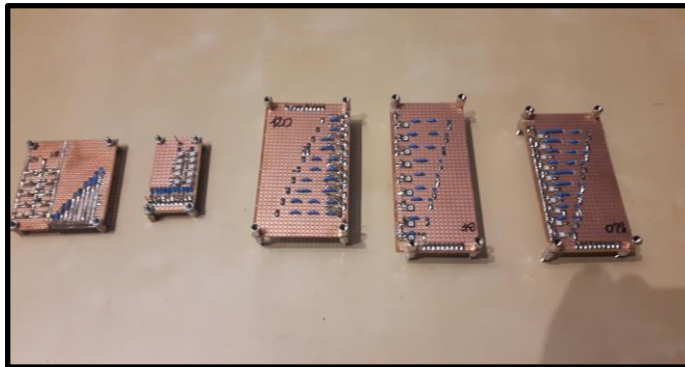Nano-Satellite – Precursor
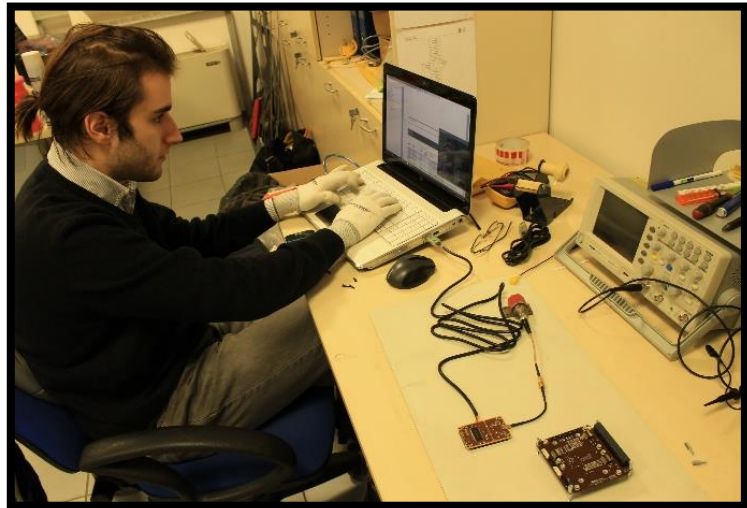Flight

LEDSAT
LED-based small SATellite

RADIOMETRIC TESTS

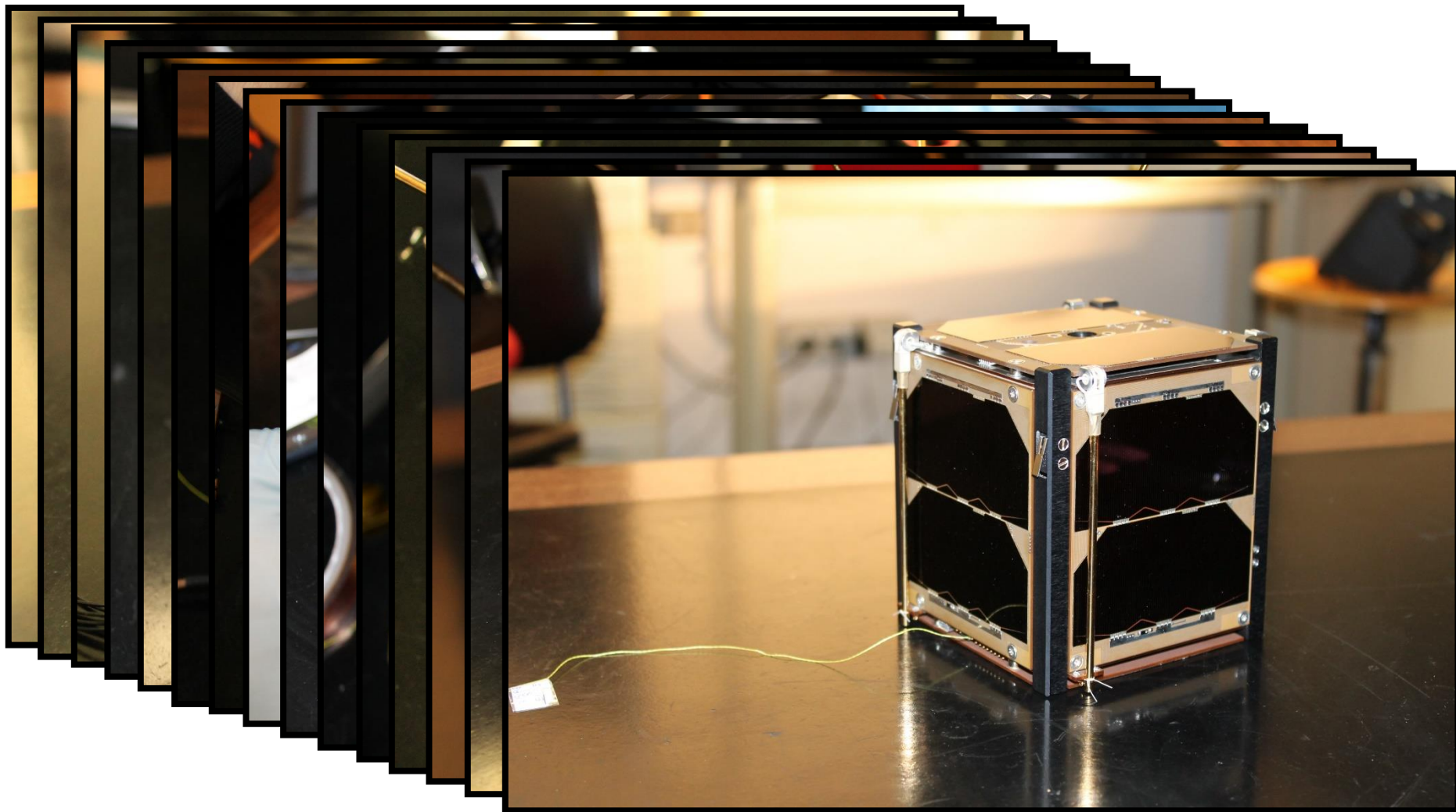- **Dominant wavelength measurements**
- **Irradiance measurements**

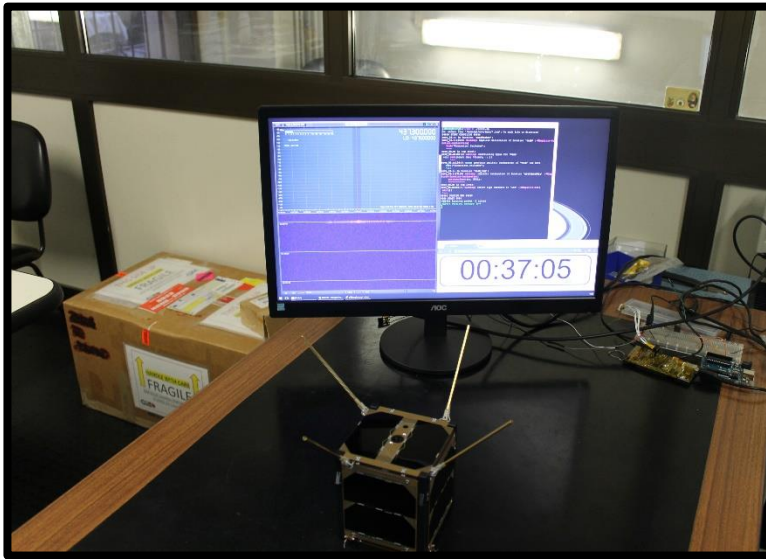| Colour	GREEN	RED	BLUE
Dominant wavelength (min. – max.) [nm]	498 - 512	620 - 624	468 - 472
Measured dominant wavelength [nm]	505	621	470
Irradiance (at 0.5 m) [W/m²]	9.72×10^{-2}	1.33×10^{-1}	1.29×10^{-1}
Measured irradiance (at 0.5 m) [W/m²]	2.3×10^{-1}	2.70×10^{-1}	4.6×10^{-1}

UNISON Italy Student Activities

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S5Lab Space Debris projects:

UNISON Italy Student Activities

S5Lab Space Debris projects:

UNISON Italy Student Activities

BEXUS Team: **TARDIS Experiment**

UNISON Italy Student Activities

<u>BEXUS Team</u>: TARDIS Experiment

UNISON Italy Student Activities

MIC Team: HEMERA Constellation

UNISON Italy Student Activities

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 on-going at S5Lab

UNISON Italy Student Activities

Additional Activities

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

Instrumentation suitable for CubeSat application

International Space Conferences

International Space Conferences

International Space Conferences

UNISON Italy Official Website

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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