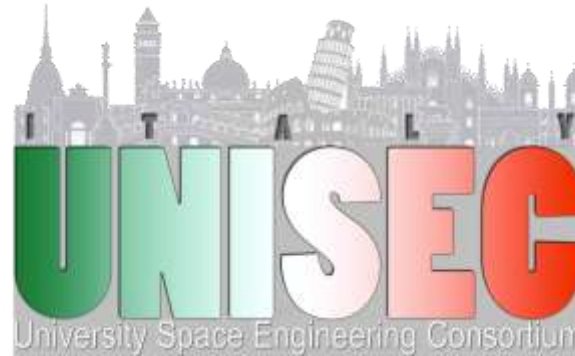


# UNISEC ITALY



Presenter: **Prof. Fabio Santoni**



**SAPIENZA**  
UNIVERSITÀ DI ROMA

**5th UNISEC Global Meeting**  
Rome (Italy), 3rd of December 2017





# UNISEC Italy Local chapter

UNISEC and UNISON Italy were established by **Sapienza – University of Rome** and **Alma Mater Studiorum, University of Bologna**



**SAPIENZA**  
UNIVERSITÀ DI ROMA



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

During the 3<sup>rd</sup> UNISEC-Global meeting in Tokyo (July 2015),  
**Italy was accepted as new local chapter**



# UNISEC Italy Local chapter

During the 3<sup>rd</sup> UNISEC-Global meeting in Tokyo (July 2015),  
Italy was accepted as new local chapter

- **Italian UNISEC Point of Contact:** Prof. Fabio Santoni
- **Universities Representatives**
  - **Rome:** Prof. Santoni
  - **Bologna:** Prof. Tortora
  - **Turin:** Prof. Corpino





# 2015 Main Activities

July

- Establishment of the Italian UNISEC Local Chapter

September

- Start of UNISEC/UNISON Italy activities

October

- Polytechnic of Turin joined UNISEC Italy
- SpaceUP Rome, the 1<sup>st</sup> Italian «Unconference»

December

- SGAC European Student Workshop (Padua)





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**December**

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- **2<sup>nd</sup> Annual Space Debris Student Opportunities Workshop (Sapienza – University of Rome)**





# 2016 Main Activities

July

- **Workshop about «The REXUS/BEXUS Programme: hands-on opportunity for Aerospace Students» (Sapienza – University of Rome)**

October

- **4<sup>th</sup> UNISEC Global Meeting at Kamchia (Bulgaria)**
  - **Two Italian UNISEC Groups taking part at the 1st De-orbit Device Competition (DDC) and the 4th Mission Idea Contest (MIC)**

November

- **SpaceUP Milan, the 2<sup>nd</sup> Italian «Unconference»**

December

- **3rd Space Debris Student Opportunities Workshop: LEDSAT (Sapienza – University of Rome)**
- 

# 3rd Space Debris Student Opportunities Workshop: LEDSAT

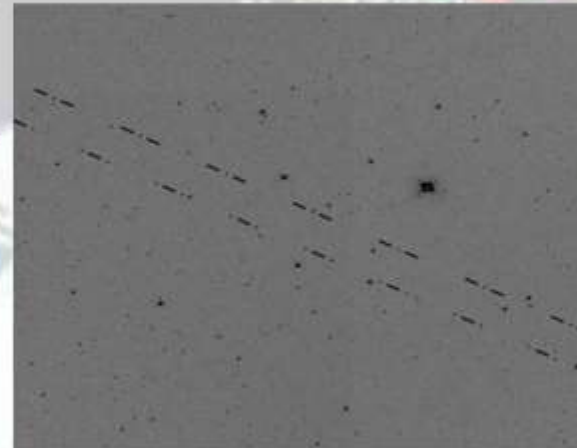
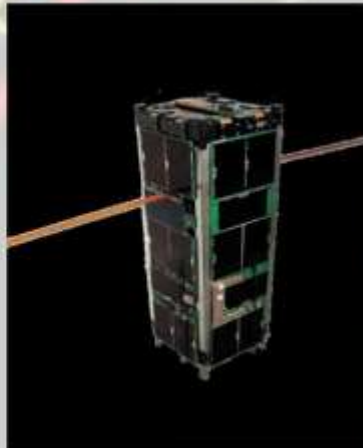


## 3<sup>RD</sup> SPACE DEBRIS STUDENT OPPORTUNITIES WORKSHOP: LEDSAT

Venerdì 16 Dicembre 2016 - ORE 9.30

SALA DEL CONSIGLIO

VIA EUDOSIANNA 18, ROMA





# 2017 Main Activities

March

- Call for the 1<sup>st</sup> Italian Pre-5th MIC (Mission Idea Contest)



The Pre-5th

**Mission Idea Contest Workshop  
Local Competition in Italy**

Micro/Nano Satellites for Global Sustainable Development

May

- «Space Debris Conference» in collaboration with the WIA Europe Local Chapter in Rome and the Sapienza's IEEE Student Branch





# “Space Debris Conference”



SAPIENZA  
UNIVERSITÀ DI ROMA

## “Space Debris Conference”

Lunedì 29 Maggio 2017 - Ore 14:30 - 18:30

SALA DEGLI AFFRESCHI

FACOLTA' DI INGEGNERIA CIVILE E INDUSTRIALE  
UNIVERSITA' "LA SAPIENZA"  
VIA EUDOSSIANA 18 - ROMA



SAPIENZA SPACE SYSTEMS  
AND SPACE SURVEILLANCE  
LABORATORY





# 2017 Main Activities

December

- **4<sup>th</sup> Space Debris Student Opportunities Workshop: LEDSAT (Sapienza – University of Rome) – 1<sup>st</sup> of December 2017**



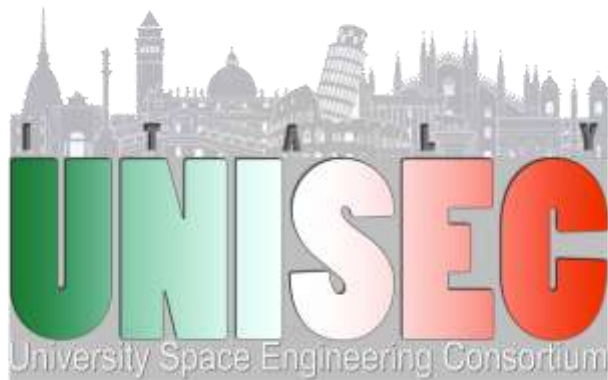
# 2017 Main Activities

December

- 4<sup>th</sup> Space Debris Student Opportunities Workshop: LEDSAT (Sapienza – University of Rome) – 1<sup>st</sup> of December 2017
- 5<sup>th</sup> UNISEC Global Meeting (2-4 December 2017) at the Sapienza's Engineering Faculty in Rome (Italy)



# UNISON Italy



ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



# UNISON Italy Student



**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



ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



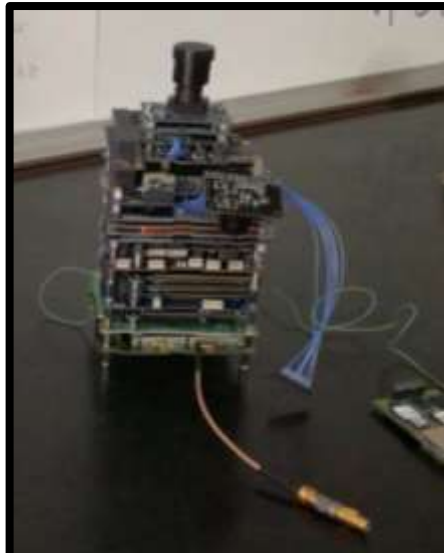


# UNISEC CubeSat Activities

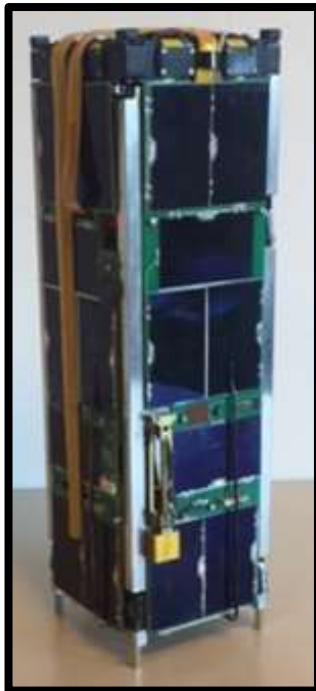
- Spacecraft Design and Development



**1KUNS 1U CubeSat**



**EAGLET 3U CubeSat**



**URSA MAIOR 3U CubeSat**

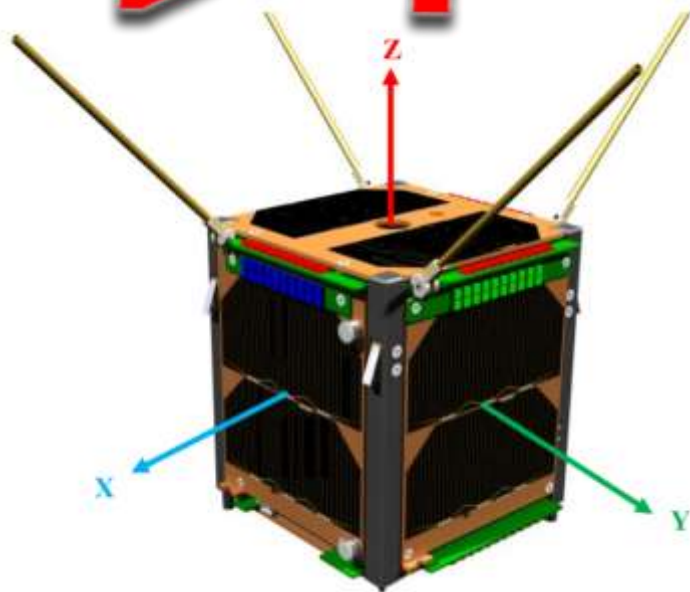


**IKUNS 6U CubeSat**

# CubeSat Activities

- LEDSAT 1U CubeSat

**LEDSAT**

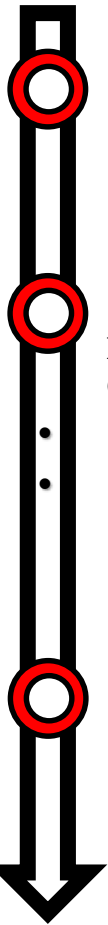


ESA Fly Your Satellite! Programme





# Space Debris-related Activities



## **SPADE Observatory**

SPAcE DEbris Observatory

## **EQUO**

EQUatorial Italian  
Observatory

- **On-Ground**
- **Off-Shore**

## **MITO**

Mid-latitude ITalian  
Observatory



# UNISEC Italy Future Action Plan



UNIVERSITÀ DI PISA



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



# QUESTIONS?

Additional information:  
**Fabio.santoni@uniroma1**  
**.it**

**5th UNISEC Global Meeting**  
Rome (Italy), 3rd of December 2017

