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

Presenter: Alice Pellegrino
UNISON Italy

UNISEC and UNISON Italy have been established in July 2015
UNISON Italy
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
<table>
<thead>
<tr>
<th>Colour</th>
<th>GREEN</th>
<th>RED</th>
<th>BLUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dominant wavelength (min. – max.) [nm]</td>
<td>498 - 512</td>
<td>620 - 624</td>
<td>468 - 472</td>
</tr>
<tr>
<td>Measured dominant wavelength [nm]</td>
<td>505</td>
<td>621</td>
<td>470</td>
</tr>
<tr>
<td>Irradiance (at 0.5 m) [W/m²]</td>
<td>9.72 x 10⁻²</td>
<td>1.33 x 10⁻¹</td>
<td>1.29 x 10⁻¹</td>
</tr>
<tr>
<td>Measured irradiance (at 0.5 m) [W/m²]</td>
<td>2.3 x 10⁻¹</td>
<td>2.70 x 10⁻¹</td>
<td>4.6 x 10⁻¹</td>
</tr>
</tbody>
</table>
UNISON Italy Student Activities
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S5Lab Space Debris projects:
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BEXUS Team: TARDIS Experiment
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MIC Team: HEMERA Constellation
UNISON Italy Student Activities

Additional Activities

THE GROWTH OF TOMATO PLANTS
MICRO-TOM IN SPACE ENVIRONMENT

TEAM MICRO-TOM

2nd place winner at the 5th International Pre-MIC and project currently ongoing 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
UNISON Italy Last Updates

New Italian Student Representative

Paolo Marzioli

PhD student in Aerospace Engineering at Sapienza University of Rome

System Engineer of the LEDSAT Project
Questions?

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