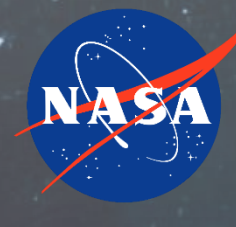




DIPARTIMENTO DI INGEGNERIA  
MECCANICA E AEROSPAZIALE



SAPIENZA  
UNIVERSITÀ DI ROMA



# 9TH SPACE DEBRIS STUDENT OPPORTUNITIES WORKSHOP

## Space sustainability challenges: towards zero space debris

**December, 15th 2023, 16.00 - 18.00 Room 24**

FACOLTÀ DI INGEGNERIA CIVILE E INDUSTRIALE  
SAPIENZA UNIVERSITÀ DI ROMA  
VIA EUDOSSIANA 18 - ROMA

**16.00 - 16.15**

**WELCOME ADDRESS - RECENT ACTIVITIES ON SPACE SURVEILLANCE  
AT UNIVERSITY OF ROME - FABRIZIO PIERGENTILI**

Department of Mechanical and Aerospace Engineering, Sapienza  
University of Rome

**16.15 - 16.30**

**THE PROBLEM OF INACTIVE ROCKET BODIES - PATRICK SEITZER**

Department of Astronomy,  
University of Michigan

**16.30 - 16.45**

**SPACE DEBRIS AND ISS - NATE ESTELL**

Pointing Flight Controller,  
Flight Operations Directorate, Johnson Space Center

**16.45 - 17.00**

**SPACE SUSTAINABILITY CHALLENGES: WHAT WE CAN LEARN FROM  
THE SERENGETI - THOMAS KELECY**

Space Research & Development,  
The Aerospace Corporation

**17.00 - 17.15**

**LONG TERM SUSTAINABILITY OF SPACE - SOME TECHNICAL AND  
REGULATORY ASPECTS - THOMAS SCHILDKNECHT**

Astronomical Institute,  
University of Bern

**17.15 - 17.30**

**OPTICAL SST AND SHARED OPERATIONAL CONCEPTS - JACOB ASK**

Space Safety Program Manager  
Swedish Space Corporation (SSC)

**17.30 - 17.45**

**ASI - SST ACTIVITIES - CURRENT STATUS AND FUTURE PERSPECTIVE -**

**ELENA VELLUTINI**  
Project Engineering,  
Italian Space Agency (ASI)

**17.45 - 18.00**

**AN OVERVIEW ON ESA'S ACTIVITIES TOWARDS ZERO DEBRIS BY 2030 -**

**TIM FLOHRER**  
Head of Space Debris Office,  
European Space Agency (ESA)



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