



POLITECNICO
MILANO 1863

**DIPARTIMENTO DI
SCIENZE E TECNOLOGIE
AEROSPAZIALI**

Space Shepherd: Monitoring refugees in the Mediterranean Sea through Satellite Imageries

Space Shepherd is a project that has been awarded the Polisocial Award 2014, a scheme that funds research projects with social aims. The idea of Space Shepherd is to use scientific and commercial satellites that already operate on a regular basis to monitor the immigration flows in the Mediterranean Sea, and to support search-and-rescue operations. In this workshop we will present the activities carried out during the feasibility study as well as the most relevant results achieved. The possible implementation of such system will also be discussed, along with the associated potentialities.

AGENDA

- 11:00 Introduction to Space Shepherd project
- 11:20 System architecture
- 11:40 Automatic detection of small vessels with optical images
- 12:00 Automatic detection of small vessels with SAR images
- 12:20 System performances
- 12:30 Conclusions and open discussion

Friday, December 4, 2015
from h. 11:00 to h. 13:00
Building B12 - 2nd floor
Sala Consiglio DAER

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