



POLIMI EVENTS WITHIN THE 50th
ANNIVERSARY OF THE MOON
LANDING

Politecnico di Milano, in collaboration with the Department of Aerospace Science and Technology (DAER), wants to remind the memorable feat accomplished by Neil Armstrong and Buzz Aldrin the 20th of July 1969 with the Apollo 11 which landed for the first time a human being on the moon.

Politecnico di Milano, Campus Bovisa
Via La Masa, 34 - 20156 Milano
Building B12, First Floor, Room L.12

09.10.2019, h. 18.00

Scientific Seminar

POLImoon

Safer lunar space suits with self-healing materials

Antonio Mattia Grande

Space suits were created to protect astronauts, whether while walking on the surface of the Moon or performing extravehicular activities. Their integrity is threatened by Micro Meteoroid and Orbital Debris (MMOD) and punctures from accidental contact with sharp objects, that could lead to breaches in the bladder, with subsequent gas leakage and depressurization. At present, suits are not able of self-heal after events of this type. In this views, self-healing materials have become attractive since they could lead to space suits able to repair after collision with MMOD or punctures. This would result in higher protection and safety for astronauts, and longer missions in the perspective of lunar bases establishment.

POLITECNICO MILANO 1863

Registration is required to participate: www.eventi.polimi.it