



Seminari

Origin of Lunar Water and its Role in Enabling Sustainable Solar System Exploration.

Inizio evento Wed, 21 May 2025 - 14:30

Fine evento Wed, 21 May 2025 - 15:30

Origin of Lunar Water and its Role in Enabling Sustainable Solar System Exploration.



Rome Joint Astrophysics Colloquia **Origin of Lunar Water and its Role in Enabling Sustainable Solar System Exploration**

The presence of water on the Moon and in lunar samples has emerged as one of the most exciting discoveries in recent times. Multiple sources are believed to have contributed to the lunar water inventory. Understanding the origin of lunar water holds significance that transcends scientific, technological, and societal domains. The Moon is becoming a favourite target for both established and emerging space-faring nations as well as commercial entities. In addition to national



Speaker: Mahesh Anand

Affiliation: Open University, UK

luogo: IB09 Area di ricerca TorVergata

A cura: Gestione Seminari IAPS

[link alla diretta](#)

The presence of water on the Moon and in lunar samples has emerged as one of the most exciting discoveries in recent times. Multiple sources are believed to have contributed to the lunar water inventory. Understanding the origin of lunar water holds significance that transcends scientific, technological, and societal domains. The Moon is becoming a favourite target for both established and emerging space-faring nations as well as commercial entities. In addition to national pride and scientific curiosity, the resurgence in lunar exploration is driven by a growing recognition of the Moon as a technology testbed for exploring more distant bodies within the Solar System. In this talk, I will outline our pioneering research which contributed to the discovery of water on the Moon and is shaping a vision for the future, envisioning a sustainable human presence on the lunar surface, largely facilitated by the in-situ use of resources, including water.

Altri Seminari in programma

20
MAY

h11:00

[Seminari](#)

[Seminari](#) - Speaker: Dr. Tien Vo

Dove: Aula IB09 Area di Ricerca di Tor Vergata

[Evolution of Spectral Properties, Non-Gaussianity, and Intermittency of Plasma Turbulence Associated with Magnetotail Reconnection](#)

[Dettagli](#)

+

[Seminari](#) - Speaker: Andrzej Zdziarski

Dove: Aula IB 09 - Area di ricerca TorVergata

[What are the spins of stellar-mass black holes?](#)

20
JUN

h14:30

[Seminari](#)

[Dettagli](#)

+

25
JUN

h11:00

[Seminari](#)

[Seminari](#) - Speaker: Michele Doro

Dove: Aula IB 09 - Area di ricerca TorVergata

[Experimental monopole bounds updated by models of acceleration in cosmic fields](#)

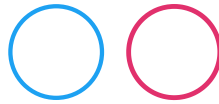
[Dettagli](#)

+

INAF
Osservatorio Astronomico
di Tor Vergata

Come raggiungerci
Lavora con noi
Amministrazione Trasparente

Seguici sui Social:



IAPS - INAF Istituto di Astrofisica e Planetologia Spaziali. Via del Fosso del Cavaliere 100,
00133, Roma.

C.F. 97220210583 | P.I. 06895721006 | inafiaps@pcert.postecert.it

[Cookie policy](#) • [Privacy Policy](#) • [Site Map](#) • [Accessibilità](#)

© IAPS-INAF. Design and code: Carmelo Magnifico - Content manager: Federica Duras - All Rights Reserved.