

9th GLOBAL MOON VILLAGE WORKSHOP & SYMPOSIUM

3-4 December 2025
Turin, Italy

Organized by:



Organized by:



Bronze Sponsor:



MOON VILLAGE ASSOCIATION

The Moon Village Association (MVA), created in 2017, is a non-governmental organization (NGO) based in Vienna, Austria. The MVA's goal is to create an informal global forum for governments, industry, academia, and the public interested in the Moon Village vision – a community fostering permanent human expansion to Earth's Moon. It comprises more than 300 participants in MVA activities and 33 institutional members from more than 60 countries, representing a diverse array of technical, scientific, cultural, and interdisciplinary fields. For more information regarding the MVA, please visit: <https://moonvillageassociation.org>.

Each year, the Moon Village Association (MVA) organizes a major international event, a workshop and symposium (W&S), at which global leaders in various fields relevant to humanity's permanent expansion to Earth's Moon gather to share progress, new ideas, and relevant information. This year, the MVA's 2025 W&S is being organized in Italy, hosted and co-organized by the Italian Association of Aeronautics and Astronautics (AIDAA), on December 3–4, 2025, at the Lingotto Fiere Exhibition Centre in Turin, Italy.

MOON VILLAGE ASSOCIATION WORKSHOP

*Toward a new “giant leap” for humankind:
a peaceful and sustainable Moon Village”*

A new era of space exploration is about to begin. Humanity will return to the Moon to stay. There will be human settlements for both scientific and economic purposes.

This moment offers a unique opportunity — not just for technological innovation and discovery, but for setting an example of international cooperation, ethical stewardship, and forward-thinking governance.

Will we be able to establish rules of mutual respect between the various stakeholders? Will we be able to preserve the lunar environment and the already historic human traces on the satellite? Will the new technological frontiers also benefit the health of our planet?

The 2025 Workshop & Symposium will explore these fundamental questions, inviting participants to reflect on and contribute to the development of peaceful, inclusive, and sustainable lunar activities that will serve both humankind's aspirations and our shared responsibility to future generations.

INTRNATIONAL PROGRAMME COMMITTEE

Co-Chairs:

Alessandro Bartoloni – MVA Board, INFN & CERN User Associate, Italy

Enrico Zappino – AIDAA & Politecnico di Torino, Italy

Members:

Adriano Autino – Space Renaissance International, Italy

Alfredo Renga – Università Federico Secondo di Napoli , Italy

Andrea Merlo – Thales Alenia Space, Italy

Christian Feichtinger – International Astronautical Federation, France

Ernestina Binni – European Space Resources Innovation Centre, Luxembourg

Gary Barnhard – MVA Board, USA

Gennaro Russo – Italian Institute for the Future, Italy

Giovanni Giordano – NewroboticArm, Italy

Gunes Unuvar – MVA Board, Luxemburg

Juan Nolasco – MVA Academy, Portugal

Marco Tantardini – Lockheed Martin, Italy

Maria Antonietta Perino, Thales Alenia Space, Italy

Mattia Pianorsi – Voyager Technologies Europe, Italy

Nicholas Zajciw – Vast, USA

Nikhil Arora – IN-SPACE, India

Nunzia Favalaro – Italian Aerospace Research Centre (CIRA) & AIDAA, Italy

Paolo Caratelli – MVA Academy & Istituto Marangoni, Italy

Rachel Klima – John Hopkins University , Applied Physics Laboratory, USA

Remo Rapetti – MVA , Italy

Satoru Kurosu – MVA Board & Yokogawa, Japan

Shuai Yuan – MVA Board, Harbin Institute of Technology, China

Simone Pirrotta – Italian Space Agency, Italy

CONFERENCE CENTRE

The Lingotto Congress Center is a modern and versatile venue located in the heart of Turin, within the iconic Lingotto complex, former Fiat factory. Designed by the renowned architect Renzo Piano, this venue seamlessly combines industrial history with cutting-edge architectural design. It is ideal for hosting events of all kinds, from conferences and conventions to seminars and corporate meetings. Offering spacious, modular areas equipped with the latest technologies, the Lingotto Congress Center stands out for its exceptional functionality and aesthetic appeal. Its strategic location, easily accessible and well-connected, makes it an excellent choice for both national and international events.



Lingotto Convention Center area

The Lingotto Conference Centre has two entrances to welcome guests. One entrance is for those arriving from Via Nizza by public transport and taxis, and the other is for those using the underground car parks along Via Giacomo Mattè Trucco. The pedestrian entrance is located on the ground floor. The building has two levels: the ground floor and the mezzanine floor, which are connected by stairs and lifts. A large foyer with reception areas gives access to the Auditorium Giovanni Agnelli, the central part of the venue. Surrounding it, along a ring reminiscent of La Pista on the roof, are the perfectly soundproof meeting rooms. These rooms overlook wide corridors and glazed galleries dedicated to catering services, exhibition areas, and posters. The North Foyer is a welcoming space with an impressive view of an indoor green area, the Garden of Wonders, featuring century-old plants. The conference center also has dedicated internal access, connecting it to the lobby of the NH Lingotto Hotel for guests staying there.



Room layout of the ground floor of the Lingotto Convention Center



Layout of the rooms London (left) and Lisbona (Right)

HOW TO GET TO THE LINGOTTO CONFERENCE CENTRE

Address:

Via Nizza 280, 10126 Turin (TO), Italy
Located inside the Lingotto complex, entrance from Via Nizza.

From Turin–Caselle Airport (TRN)

- By train: Train service from Caselle Airport to Porta Susa Station, then take Metro Line 1, stop Lingotto.
- By car/taxi: around 30 minutes, depending on traffic.

From the main railway stations

- From Torino Porta Nuova: Metro line 1, direction Bengasi, stop Lingotto (about 10 minutes).
- From Torino Porta Susa: Metro line 1, direction Bengasi, stop Lingotto (about 15 minutes).

By public transport

- Metro: Line 1, stop Lingotto.
- Bus and tram: Lines 1, 18, 35, 101, 231, and 239 connect Lingotto with the city center and the main train stations.
- Regional train: Stop at Torino Lingotto station, just a few minutes' walk from the conference center.

By car

- From the southern ring road (Tangenziale Sud), take the Corso Unità d'Italia / Corso Giambone / Lingotto Fiere exit.
- Large parking areas are available at Lingotto Parking and Eataly / 8 Gallery.

DAY 1 – December 3rd 2025

9:00
9:20

Welcome & Introduction

- Giuseppe Reibaldi – MVA President
- Erasmo Carrera – AIDAA President
- Cornelia Hillenherms – CEAS President
- Alessandro Bartoloni & Enrico Zappino – IPC MVAW 2025

Session: D1M1
Room: Londra
Chair: **G. Reibaldi**

9:20
10:15

Keynotes Agencies

- Aarti Holla Maini – Director UNOOSA
- Bo Byloos – Luxemburg Space Agency
- Ayman M. Ahmed – Egyptian Space Agency
- Wang Zhongmin – Deep Space Exploration Laboratory

Session: D1M1
Room: Londra
Chair: **J. Kolar**

10:15
10:35

COFFEE BREAK

10:35
12:05

Keynotes Companies

- Walter Cugno – TASI
- Atsushi Saiki – iSpace
- Marco Tantardini – Lockheed Martin
- Fabrizio Paolillo – Telespazio
- Seiko Shirasaka – Keio University

Session: D1M2
Room: Londra
Chair: **S. Kurosu**

12:05
12:55

Panel 4: Enabling Technologies for Lunar Exploration

Moderator: Maria Antonietta Perino, TASI

- Simone Pirrotta – Italian Space Agency
- Ayman M. Ahmed – Egyptian Space Agency
- Antonella Ferri – TASI
- Mariella Graziano – GMV
- Logan Ware – Blue Origin

Session: D1M2
Room: Londra
Chair: **M.A. Perino**

12:55
13:15

MVA AWARD & ANNOUNCEMENTS

Session: D1M3
Room: Londra
Chair: **G. Reibaldi**

13:15
14:15

LUNCH

14:15
15:15

Technical Talks – Experimental Missions & Technology Demonstrations

Testing in Aerospace
Paolo Muraro

An Experimental Demonstration Towards a Long-Term Establishment on the Moon: the EDEN project
Alessandro Petrone

8From Moonquakes to Moon Bases: MEDUSA Mission
Maria Felicia della Valle

A versatile laboratory for Moon-based experiments on biological response to lunar environment
Gianluca Pellecchia

Session: D1A1
Room: Londra
Chair: **S. Pirrotta**

14:15 15:15	Technical Talks – Moon Village Governance & Vision <i>The “Terra Lunaris” project</i> Dirk Schumann <i>A Lunar Oasis in Mare Tranquillitatis</i> Wernen Grandl <i>From Flags to Villages: Building the Moon's First Community will Depend Less on Rockets Than on Rules</i> Angshuman Kaushik <i>PromoMoon</i> Shima Suresh	Session:D1A2 Room: Lisbona Chair: E. Zappino
15:15 15:35	Tribute Session Claudio Maccone <ul style="list-style-type: none"> Michael Garrett Nicolò Antonietti 	Session:D1A3 Room: Londra Chair: M.A.Perino
15:35 15:55	COFFEE BREAK	
15:55 16:40	Panel 11: Financial and tech. Convergence in Deep tech for Space exploration Moderator: Olivier Zhephyr , Technoport <ul style="list-style-type: none"> Tomasz Adach – Astroport Inna Uwarowa – Lightigo Space Edder Santana – Lunar Outpost Lari Cujko – ESRIC Giorgia Mila – Obluo VC 	Session:D1A5 Room: Londra Chair: O. Zhephyr
16:40 17:25	Panel 2: Lunar Industry Moderator: S. Kurosu , MVA board – Industry Working Group Chair <ul style="list-style-type: none"> Atsushi Saiki – iSpace Misuzu Onuki – SparX Yosuke Enomoto – PwC Lari Cujko – ESRIC 	Session:D1A6 Room: Londra Chair: S. Kurosu
17:25 17:40	Education & Outreach & MVA Academy of the Moon Village Association	Session:D1A7 Room: Londra Chair: A. Bartoloni
17:40 18:00	MVA agriculture working group status and plan (video) Borja Barbero Barcenilla International Moon Day 2025 Keynotes <ul style="list-style-type: none"> Nasr Al Sharaf (On line) Saeed Aldhaeri – Dubai University (video) 	Session:D1A8 Room: Londra Chair: N. Al Sharaf
19:30 22:30	GALA DINNER Circolo Ufficiali di Torino Corso Vinzaglio, 6, 10121 Torino TO	

DAY 2 – December 4th 2025

8:45 9:40	Keynotes Agencies <ul style="list-style-type: none"> • Ulpia Botezatu, UN COPUOS STSc Chair, ATLAC Co-Chair • Simone Pirrotta, ASI • Ikkoh Funaki – ISAS/JAXA • Mr. E. S. Padmakumar – Director, SDSC SHAR 	Session:D2M1 Room: Londra Chair: E. Zappino
9:40 10:00	COFFEE BREAK	
10:00 10:50	Panel 7: Science-born instruments, models and methods applied to space resources assessment Moderator: Simone Pirrotta, ASI <ul style="list-style-type: none"> • Fabrizio Fiore – INAF • Ernestina Binni – ESRIC • Mohamed El Awag – La Sapienza • Michele Lavagna – Politecnico di Milano • Logan Ware, Blue Origin 	Session:D2M2 Room: Londra Chair: S. Pirrotta
10:50 11:40	Panel 1: Lunar Governance Moderator: Ulpia Botezatu, UN COPUOS STSc Chair, ATLAC Co-Chair <ul style="list-style-type: none"> • Ikkoh Funaki – ISAS/JAXA • S. Sudhakar – ISRO • Wang Zhongmin – DSEL • Simone Pirrotta, ASI 	Session:D2M3 Room: Londra Chair: U. Botezatu
11:40 12:40	Panel 3: Human Physiology & Astronauts Panel Moderator: Carlo Aleci <ul style="list-style-type: none"> • Dorin Prunariu – Former Astronaut • Franco Malerba – Former Astronaut • Carlo Aleci “The Eye on the Moon: Risk and Countermeasures” 	Session:D2M4 Room: Londra Chair: C. Aleci
11:40 12:40	Panel 5: Public-Private Collaborations models to foster Lunar Economy Moderator: Mattia Pianorsi <ul style="list-style-type: none"> • Clelia Iacomino – ESPI • Mauro Piermaria – PCM-UDPS • Francesco Liucci – ESA 	Session:D2M5 Room: Lisbona Chair: M. Pianorsi
12:40 13:40	LUNCH	

13:40 14:15	Panel 12: From earth to the Moon How Cross-sector Innovation Accelerates Space Readiness Moderator: Olivier Zhephyr , Technoport <ul style="list-style-type: none"> • Piero Messidoro – CEIPIEMONTE • Ernestina Binni – ESRIC • Severin Luhr – Fibercoat • Roderick Rühl – Polimak Space 	Session:D2A1 Room: Londra Chair: O. Zhephyr
14:15 16:10	Technical Talks – Energy Systems, ISRU & Future Lunar Habitats <i>Quantitative comparative assessment of ISRU lunar processes for oxygen production</i> Matteo Curcio <i>Adaptive Multi-Role Rover for Extraterrestrial Construction and Exploration</i> Jan Perera <i>GLAMS: 3D printing for lunar bases</i> Lorenzo Olivieri <i>Autonomous Moon Power and Environmental Research Element</i> Antonio Niro <i>On the opportunity to leverage Spent Nuclear Fuel for Scalable Radioisotope Power System Enabling Lunar Night Survival</i> Mihails Scepanskis Challenges of Lunar Extractivism Andrew Thomas Beyond Terraforming: The 'Core Biome Complex' and 'Terrawindows' as a Blueprint for Sustainable Space Habitats Yamashiki Yosuke Lunar Analog Mission KRATOS Moukarzel Maria	Session:D2A3 Room: Londra Chair: A. Bartoloni
16:10 16:40	Panel 9: Women in Aerospace Moderator: Ernestina Binni <ul style="list-style-type: none"> • Christiane Bergemann – OHB System AG • Stefania Grotti – Fondazione Bicocca • Veronica Moronese 	Session:D2A4 Room: Londra Chair: E. Binni
16:45 17:30	MVA, AIDAA & CEAS JOINT CLOSING CEREMONY & MVA ANNOUNCEMENTS	Room: Londra
17:30 18:00	CLOSING COCKTAIL	