



The 10th Global Moon Village Workshop & Symposium

Date: 26–27 October 2026

Venue: ICONSIAM, Bangkok, Kingdom of Thailand (MR1-3)

Co-organized by: Geo-Informatics and Space Technology Development Agency
(Public Organization) & Moon Village Association

DAY 1: Monday, 26 October 2026

Venue: Meeting Room 1-3, ICONSIAM

Time	Session Topic & Agenda Details
Master of Ceremony By GISTDA (TBD)	
08:30 – 09:00	Registration and Booth Exhibition
09:00 – 09:20	Welcome Remarks and Official Introduction • Dr. Pakorn Apaphant – Executive Director, Geo-Informatics and Space Technology Development Agency (GISTDA) • Dr. Giuseppe Reibaldi – President, Moon Village Association
9.20-9.30	Introduction of the 10th Global Moon Village Workshop & Symposium Co-Chairs International Programme Committee, Moon Village Association Workshop 2026 • Dr. Natthawat Hongkarnjanakul, Director of Space Economy Promotion Office, GISTDA • Alessandro Bartoloni, INFN & CERN User Associate, Italy (online)

Time	Session Topic & Agenda Details
09:30 – 10:30	Keynote Presentations: Governmental and Intergovernmental Space Organisations Highlighting global strategic directions from leading governmental and intergovernmental space organisations: • Aarti Holla-Maini, Director, United Nations Office for Outer Space Affairs UNOOSA (recording) • Dr. Damrongrit Niammuad, Deputy Director Geo-Informatics and Space Technology Development Agency (GISTDA) • Michael Overby, Deputy Director of Space Affairs, USA State Department, US. • Koji Yamanaka, Director of Space Exploration, Japan Aerospace Exploration Agency, Japan (JAXA) (TBC) • Wang Zhongmin, Director of the International Cooperation Center at the Deep Space Exploration Laboratory (DSEL), China. • Steve Cambell, Assistant Manager, Space Partnerships & Growth, Australian Space Agency • Dr. Ulpia Botezatu, Co-Chair, UN-COPUOS Action Team on Lunar Activities Consultation (ATLAC)
10:30 – 11:15	Coffee Break & Booth Exhibition Networking Session ** Press
11:15 – 12:45	Keynote Presentations: Corporate and Sponsoring Agencies Insights into industry innovations, academic research, and technological advancements: • Jumpei Nozaki, ispace, Inc. (TBD) • Intuitive Machines, Inc. (TBD) • International Rubber Parts Co., Ltd. • Dr. Sarinya Paisarnsombat, Kasetsart University • Prof. Shirasaka Seiko, Keio University • Dr. Peerapong Torteeka, National Astronomical Research Institute of Thailand (NARIT)
12:45 – 13:30	Lunch Break & Networking Hour

Time	Session Topic & Agenda Details
13:30 – 15:30	Strategic Joint Session: Asia-Pacific Regional Space Agency Forum – Space Frontier <i>Format: Joint strategic presentations and interactive panel discussion focusing on global and regional synergies.</i> Welcome and Opening Remarks (10 mins) Introduction to the joint session objectives and strategic context bridging the Moon Village Association Workshop, Geo-Informatics and Space Technology Development Agency initiatives, and Asia-Pacific Regional Space Agency Forum activities. <i>Speakers: Giuseppe Reibaldi – President, Moon Village Association</i> Asia-Pacific Perspective on Future Space Activities (10 mins) Overview of regional initiatives in space exploration, international cooperation frameworks, and the role of APRSAF in fostering collaboration among Asia-Pacific space agencies. <i>Speaker: Kenji Yamagata Representative from Japan Aerospace Exploration Agency / Asia-Pacific Regional Space Agency Forum</i> Lunar and Deep Space Ecosystems: The Role of International Partnerships (20 mins) Perspectives on building sustainable lunar and cislunar activities through global collaboration between agencies, industry, and research institutions. <i>Speaker: Jim Keravala – Vice President, Moon Village Association</i> Earth Observation, Space Infrastructure, and Regional Development (20 mins) The deployment of critical space technologies and remote sensing applications to facilitate sustainable development, regional connectivity, and societal innovation. <i>Speaker: Representative from the Geo-Informatics and Space Technology Development Agency (TBD)</i> Joint Panel Discussion — Building Bridges Between Global and Asia-Pacific Space Initiatives (40 mins)

Time	Session Topic & Agenda Details
	<u>Discussion Themes:</u> • Synergies between APRSAF and international initiatives such as the Moon Village ecosystem • Opportunities for joint research, technology demonstration, and capacity building • Role of emerging space nations and new actors • Pathways for future collaboration between Asia-Pacific institutions and global partners <i>Panelists: Kenji Yamagata – Representative of the Japan Aerospace Exploration Agency and APRSAF;</i> <i>Satoru Kurosu – Member of the Board of Directors and Moon Market Development Coordinator, Moon Village Association;</i> <i>Malak Trabelsi Loeb – Chair, Global Expert Group on Sustainable Lunar Activities (GEGSLA); (Online)</i> <i>Dr. Wannida Sae-Tang – Researcher, Innovative Agriculture Innovation Group, National Science and Technology Development Agency (NSTDA), Thailand;</i> <i>Moderator: Dr. Ulpia Botezatu</i> Open Discussion with Participants Closing Remarks
15:30 – 15:45	Coffee Break & Booth Exhibition
15:45 – 16:45	Technical Talks: Thai Space Research, Experiments and Operational Capabilities Expert discussions featuring specialized research briefings: • Dr. Wares Chancharoen, Chulabhorn Royal Academy • Dr. Kullapha Chaiwongkhot, Mahidol University • Dr. Sittiporn Channumsin, Director of Space Technology Research Center, GISTDA, • Mr. Watcharawut Masawat, ispace (TBC)



Time	Session Topic & Agenda Details
	Moderator: Dr. Natthawat Hongkarnjanakul, Director of Space Economy Promotion Office, GISTDA
16:45 – 18:00	Session 1 — Human-Centered Lunar Habitats, Habitability & Quality of Life <i>Presentations selected through the Call for Presentations. Oral talks are 15 minutes each.</i> Chaired by: Antonio Stark Moon Village Association (MVA) 16:45 WS26-02 Lunar Capsule: A Human-Centered Habitat for Sustainable Lunar Presence and Astronautical Operations — Thanik Nithipanthawong, 17:00 WS26-10 The Cognitive Ergonomics Code of Space Habitat Lighting: A Study of Multimodal Mission Data under Microgravity Simulation — Li Shuqi 17:15 WS26-11 KMITL's First Full-Scale Lunar Habitat Prototype and Indoor Environmental Quality Study — Thanyatorn Khumpairoj 17:30 WS26-13 Designing for uncertainty: A Constraint Based Architectural Framework for Lunar Lava Tube Habitation — Zachary Messmer 17:45 WS26-32 Integrating Space QOL into a Human-Centered ECLSS Conceptual Framework for Sustainable Lunar Habitation— Tomomi Nonaka Chair by
18:30 – 20:30	Official GALA Dinner Reception Venue: Millennium Hilton Bangkok Hotel <i>Dedicated networking event open to all registered delegates and distinguished dignitaries.</i>



DAY 2: Tuesday, 27 October 2026

Venue: Parallel Dynamic Tracks — Meeting Room 1 & Meeting Room 2, ICONSIAM

Time	Track A: Lunar Infrastructure & Technology Venue: Meeting Room MR1	Track B: Science, Governance & Lunar Economy Venue: Meeting Room MR2
08:30 – 09:00 2 talks of 15 min each	Keynote Presentations: Corporate & Sponsor Plenary Highlights <i>(Joint plenary session in the combined Meeting Rooms 1 and 2)</i> ● Prof. Steven Freeland, Co-Chair, Space Resources Working Group, UN-COPUOS ● Jatan Mehta, Indian Lunar Program: Status & Plans, (TBC) MC : GISTDA	
Parallel Sessions Based on Accepted Submissions from the Call for Presentations		
09:00 – 10:00	Session 5: Cislunar Mobility, Power & Integrated Lunar Operations Chaired by :GISTDA 09:00 WS26-05 Cislunar Highway Router: Fast Low-Energy Trajectory Trade Studies for Lunar Mission Planning — Santiago Armada Gamboa (Recording) 09:15 WS26-20 An Artificial Gravity Network for Sustainable Lunar Habitation and Interplanetary Transport — Yosuke Alexandre Yamashiki 09:30 WS26-21 Scaling Power for the Moon: A Three-Horizon Roadmap from Solar Outposts to Fission Microgrids and Future Fusion Systems— Ryella Nieves Sison 09:45 WS26-37 First Private Lunar Rover Landing on the Moon: YAOKI, When Standardization and Open Source Work Together — Alejandro Sela	Session 2: Robotic Construction, Site Assessment & Surface Logistics Chaired by : GISTDA 09:00 WS26-09 Toward Intelligent Lunar Construction with Swarm Robots: Current Progress, Key Challenges, and Future Directions — Ziyue Feng 09:30 WS26-24 Before Humans Arrive: A Robotic Pathfinder for Lunar Habitat Site Assessment — Rahana Asagale <i>09:45–10:00 Session discussion / transition</i>
10:00 – 11:00	PANEL-04 10:00–10:45 Coordinating Lunar Surface	Session 4: Lunar Resources, Science & Sustainable Utilization



Time	Track A: Lunar Infrastructure & Technology Venue: Meeting Room MR1	Track B: Science, Governance & Lunar Economy Venue: Meeting Room MR2
	Operations - Alejandro Sela, CEO and Co-Founder - JAOPS, Japan - Jaeho Lee, CEO - Unmanned Exploration Laboratory (UEL), Republic of Korea - Jack Rintoul, Assistant Director Space Programs and Industry - Australian Space Agency, Australia – - Nhat Nguyen, Project and Partnership Lead Lunar Ledger - Open Lunar Foundation, Australia (moderator) 10:45–11:00 Transition / networking	Chaired by: Napasorn Jongjittanon, GISTDA 10:00 WS26-16 Sampling & Analysis Mobile Platform for Lunar Exploration and Its In-Orbit Application— Junyue Tang 10:15 WS26-27 Beyond the Shadows: Rethinking Where Lunar Volatiles Can Exist — Nick Barnett 10:30 WS26-31 Concept of a Circular Water Infrastructure System for Sustainable Human Activities on the Moon — Shingo Miyamoto 10:45 WS26-29 — Jake Lavery (put in separately : outreach session) recorded
11:00 – 12:00	11:45–12:00 Transition / networking	PANEL-05 11:00–11:45 From Earth Orbit to the Moon: Lessons from Space Debris Governance for Sustainable Lunar Activities - Soyoung CHUNG, Moderator, Visiting Researcher Space Law Research Center, Keio University - Japan - Yu TAKEUCHI Director, Space Law Research Center, Keio University – Japan - Toru YOSHIHARA Manager/Expert in Safety and Mission Assurance, JAXA – Japan - Alex DA SILVA CUIEL Head of International Business, SSTL – UK - KPLO Operation Team, KARI - Korea (Online) 11:45–12:00 Transition / networking

Time	Track A: Lunar Infrastructure & Technology Venue: Meeting Room MR1	Track B: Science, Governance & Lunar Economy Venue: Meeting Room MR2
12:00 – 13:00	Joint Networking Lunch Break (Convened for all concurrent track delegates at the Main Dining Area)	
13:00 – 14:00	Session 3: Earth–Moon Data, AI, Interoperability & Reproducible Operations Chaired by: Antonio Stark Moon Village Association (MVA) 13:00 WS26-08 The Interoperability Window: Transferring Earth Observation's Open-Standards Substrate to Lunar Operations— Narasimha Sharma Narayanam 13:15 WS26-15 AI-Enabled Mission Intelligence for Resilient and Bandwidth-Constrained Lunar Infrastructure Operations — Rattapol Kasemrat 13:30 WS26-23 LunarTrace: From the Moon to Reproducible Python — Krit Promsanuwong 13:45–14:00 Session discussion / transition	Session 6: Lunar Governance, Economy, Society & Culture (Part 1) Chaired by: Jim Keravala, Moon Village Association (MVA) 13:00 WS26-04 Telling Time on the Moon: Coordinated Lunar Time and the Gaps in International Space Law — Phan Ngoc Gia Bao 13:15 WS26-07 Lunar Industry Development - Giant Leaps, Small Steps - Study Phase 2 — Satoru Kurosu 13:30 WS26-14 Lunar Market Assessment 2nd edition — Yosuke Enomoto 13:45 WS26-22 Decolonizing the Moon: Rethinking Power Asymmetries and the Political Dynamics of Equitable Participation in Lunar Governance — Muhammad Ibrahim Soejoeti
14:00 – 15:00	PANEL-03 14:00–14:45 Giant Leap to the Moon: How ASEAN Nations are Building Lunar Capacity through International Framework - representative from APRSAF, GISTDA (Thailand) - representative from APRSAF, NSNS (Singapore) - representative from APRSAF, PhilSA (Philippines) - Antonio Stark, Global Network Coordinator – MVA, (Moderator:) 14:45–15:00 Transition / networking	Session 6: Lunar Governance, Economy, Society & Culture (Part 2) Chaired by: Moon Village Association (MVA) 14:00 WS26-18 Observing the Earth-as-an-exoplanet from lunar orbit: The scientific and cultural mission of MARBLE — Lukáš Likavčan 14.15. WS26 -39 Caverna Lunar- Dirk Schumann 14:30–15:00 Cross-session discussion / track synthesis

Time	Track A: Lunar Infrastructure & Technology Venue: Meeting Room MR1	Track B: Science, Governance & Lunar Economy Venue: Meeting Room MR2
15:00 – 16:00	Joint Poster Session & Booth Exhibition 15:00–16:00 All accepted poster contributions 1. Governance Gaps as Investment Risk: How Artemis Accords Implementation Capacity Shapes Public-Private Partnerships in the Lunar Economy - Dafer Paola Quispe Durand 2. Robust Route-Mode-Time Planning for Cooperative Payload Transport in Lunar Construction - Feiyu Gao 3. Mariner Space Institute: Making Sustained Lunar Operations Scientifically Informed, Technically Resilient, and Operationally Reliable- Gordon M Gartrelle 4. Who Makes It Safe When Earth Can No Longer Reach It: The Missing Safety Layer for a Crowded Cislunar Future - Lanlalit Siriwichai 5. Hydrogel-Based Cultivation of Wolffia globosa for Space Agriculture - Kuntorn Khunamornsriwongse 6. Thermo-Mechanical Response of a Lunar-Adapted Drum Brake: A Single-Event Braking Study Based on Apollo Lunar Roving Vehicle Specifications - Dave Loui A. Gumarang 7. Food processing in space- Sanskriti Gawade 8. Prototype of a Multi-Stage Sifter for Mechanical Separation of Lunar Regolith Simulant- Ignacy Rapa 9. GNSS Time and Frequency Transfer for UTC(NIMT): Enabling Precise Timing Infrastructure for Sustainable Lunar Exploration and International Space Collaboration - Thayathip Thongtan 10. Bio-inspired Moon Habitation, Phacharaporn Bunyawanichakul, Associate Professor, Department of Aerospace Engineering, Faculty of Engineering, Kasetsart University, Thailand <i>Joint activity for delegates from both tracks.</i>	
16:00 – 16:45	INTERNATIONAL MOON DAY SESSION • Introduction: Nasr Alsahhaf & Dorin Prunariu, IMD Co-Chairs (Online) • Presentation of Main Event 2026: Francisco & Gabriela, IMD Main Event Organisers (Recording) • Presentation of a Global Event, Thailand Space Expo 2026 • Presentation of rebranding <i>(Plenary Meeting Room 1 for all participants)</i>	



Time	Track A: Lunar Infrastructure & Technology Venue: Meeting Room MR1	Track B: Science, Governance & Lunar Economy Venue: Meeting Room MR2
16:45 – 17:15	CLOSING CEREMONY & MOON VILLAGE ASSOCIATION ANNOUNCEMENTS (Plenary Meeting Room 1 for all participants)	

*** Note: This schedule may be adjusted to meet final operational requirements.**

Programming note: Primary panels scheduled in this draft are PANEL-04, PANEL-05, PANEL-03, and PANEL-07. Backup panels PANEL-08 and PANEL-02 remain on standby and are not included in the timed programme.