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 Ceremonies by Ms. Rapirat Nadee	
08:30 – 09:00	Registration and Booth Exhibition
9.00-9.10	Introduction and Program Outline by GISTDA
09:10 – 09:20	**Welcome Remarks** • Dr. Pakorn Apaphant – Executive Director, Geo-Informatics and Space Technology Development Agency (GISTDA) • Dr. Giuseppe Reibaldi – President, Moon Village Association
09:20 – 10:30	**Keynote Presentations: Governmental and Intergovernmental Space Organisations** *Highlighting global strategic directions from leading governmental and intergovernmental space organisations:* • Dr. Damrongrit Niammuad, Deputy Director Geo-Informatics and Space Technology Development Agency (GISTDA) • Aarti Holla-Maini, Director, United Nations Office for Outer Space Affairs UNOOSA *(recorded)* • Michael Overby, Deputy Director of Space Affairs, USA State Department, USA. • Koji Yamanaka, Director of Space Exploration, Japan Aerospace Exploration Agency (JAXA), Japan • Wang Zhongmin, Director of the International Cooperation Center at the Deep Space Exploration Laboratory (DSEL), China. • Steve Cambell, Assistant Director, International Partnerships, 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 Interview**

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11:15 – 12:45	**Keynote Presentations: Corporate and Sponsoring Agencies** *Insights into industry innovations, academic research, and technological advancements:* • Mr. Atsushi Saiki, Executive Fellow, ispace, inc. • Mr. Jeff Warner, Director, Lunar Data Network Services, Intuitive Machines, Inc. • Mr. Suchart Tachaplalert, Chief Executive Officer, 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
13:30 – 15:30	**Strategic Joint Session: Asia-Pacific Regional Space Agency Forum – Space Frontier** *Format: Joint strategic presentations and interactive panel discussion focusing on global and regional synergies.* **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. ***Speaker:*** *Giuseppe Reibaldi – President, Moon Village Association(MVA)* **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. ***Speaker:*** *Kenji Yamagata – Representative from Japan Aerospace Exploration Agency (JAXA) / Asia-Pacific Regional Space Agency Forum(APRSAF)* **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. ***Speaker:*** *Jim Keravala – Vice President, Moon Village Association*

Time	Session Topic & Agenda Details
	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. ***Speaker:*** *Dr. Chanika Sukawattanavijit, Head of the Social Stability Division, Geo-Informatics and Space Technology Development Agency*
	Joint Panel Discussion — Building Bridges Between Global and Asia-Pacific Space Initiatives *(40 mins)* <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 **Moderator:** *Dr. Ulpia Botezatu,* Co-Chair, UN-COPUOS Action Team on Lunar Activities Consultation (ATLAC) ***Panelists****:* • *Kenji Yamagata – Representative of the Japan Aerospace Exploration Agency and APRSAF;* • *Satoru Kurosu – Member of the Board of Directors and Moon Market Development Coordinator, Moon Village Association;* • *Malak Trabelsi Loeb – Chair, Global Expert Group on Sustainable Lunar Activities (GEGSLA); (Online)* • *Dr. Wannida Sae-Tang – Researcher, Innovative Agriculture Innovation Group, National Science and Technology Development Agency (NSTDA), Thailand;*
	Open Discussion with Participants
	Closing Remarks
15:30 – 15:45	Coffee Break & Booth Exhibition

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Time	Session Topic & Agenda Details
15:45 – 16:45	**Technical Talks: Thai Space Research, Experiments and Operational Capabilities** *Expert discussions featuring specialized research briefings:* **Moderator:** Dr. Natthawat Hongkarnjanakul, Director of Space Economy Promotion Office, GISTDA • 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
16:45 – 18:00	**Session 1: Human-Centered Lunar Habitats, Habitability & Quality of Life** *Presentations selected through the Call for Presentations. Oral talks are 15 minutes each.* **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 Nithiphanthawong **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 |** WS26-32 Integrating Space QOL into a Human-Centered ECLSS Conceptual Framework for Sustainable Lunar Habitation— Tomomi Nonaka **17:45 |** Moon Ecosystem Architecture: The BIG PICTURE — Ines Miersch-Suess
18:30 – 20:30	**Official GALA Dinner Reception** **Venue:** Millennium Hilton Bangkok Hotel *Dedicated networking event open to all registered delegates and distinguished dignitaries.*

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DAY 2: Tuesday, 27 October 2026

Venue: Parallel Dynamic Tracks — Meeting Room 1-2 & Meeting Room 3, ICONSIAM

Time	Track A: Lunar Infrastructure & Technology **Venue:** Meeting Room **MR1-2**	Track B: Science, Governance & Lunar Economy **Venue:** Meeting Room **MR3**
08:25 – 08:30	**Opening of the Day** Ms. Rapirat Nadee, Master of Ceremonies	
08:30 – 09:00	**Keynote Presentations: International Highlights** *Joint plenary session in the combined Meeting Rooms 1 and 2* • Jatan Mehta, Indian Lunar Program: Status & Plans • Prof. Steven Freeland, Co-Chair, Space Resources Working Group, UN-COPUOS • Prof. Wu Shufan, professor at School of Aeronautics and Astronautics, Shanghai Jiaotong University *(recorded)*	
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**: Panachai Santananukarn & Nuttamon Thungka, 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 |** WS26-37 First Private Lunar Rover Landing on the Moon: YAOKI, When Standardization and Open-Source Work Together — Alejandro Sela **9:45 |** Scaling Power for the Moon: A Three-Horizon Roadmap from Solar Outposts to Fission Microgrids and Future Fusion Systems - Ryella Nieves Sison	**Session 2: Robotic Construction, Site Assessment & Surface Logistics** **Chaired by :** Mr. Atipat Wattanuntachai, GISTDA **09:00 |** WS26-09 Toward Intelligent Lunar Construction with Swarm Robots: Current Progress, Key Challenges, and Future Directions — Ziyue Feng **09:15 |** WS26-24 Before Humans Arrive: A Robotic Pathfinder for Lunar Habitat Site Assessment — Rahana Asagale **09:30–10:00|** *Session discussion / transition*

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10:00 – 11:00	**Panel 4: Coordinating Lunar Surface Operations** **Moderator:** Nhat Nguyen, Project and Partnership Lead Lunar Ledger - Open Lunar Foundation, Australia **Speakers:** • Alejandro Sela, CEO and Co-Founder - JAOPS, Japan • Jaeho Lee, CEO - Unmanned Exploration Laboratory (UEL), Republic of Korea • Steve Campbell, Assistant Director for International Partnerships, Australian Space Agency, Australia • Antonio Stark (KangSan Kim), Senior Business Associate - ispace, inc., Japan **10:45–11:00 |** *Transition / networking*	**Session 4: Lunar Resources, Science & Sustainable Utilization** **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 Can We Grow Food on the Moon? A Year 12 Student's Lunar Agriculture Experiment — Jake Lavery *(presented by Nick Barnett)*
11:00 – 12:00	**Panel 5: From Earth Orbit to the Moon: Lessons from Space Debris Governance for Sustainable Lunar Activities** **Moderator** Soyoung CHUNG, Visiting Researcher Space Law Research Center, Keio University -Japan **Speakers** • Yu Takeuchi, Director, Space Law Research Center, Keio University – Japan • Toru Yoshihara, Manager/Expert in Safety and Mission Assurance, JAXA – Japan • Alex Da Silva Curiel, Head of International Business, SSTL – UK • Moon-Jin JEON, KPLO Mission Operations Lead / Head, Lunar Lander SE&I Team, Lunar Exploration Program Office, KARI – Korea *(Online)* **11:45–12:00 |** *Transition / networking*	**Session 7: Lunar Science, Exploration & Surface Characterization** **Chaired by: Dr. Rinrada Srikwanma, GISTDA** **11:00 |** EX-01 K-RadCube on Artemis II: Lessons Learned from Developing a 12U CubeSat for a Crewed Lunar Mission— Minsik Kim **11: 15 |** EX-02 Mineralogical Characterization and Phosphorus Distribution in Lunar Meteorites NWA 11273 and NWA 11474 - Naphat Apisuk **11:30 |** EX-03 A Relationship Between Absolute Model Age from Crater Counting and Titanium Content of Lunar Mare - Natakorn Vijaranayarn **11:45–12:00 |** *Transition / networking*

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12:00 – 13:00	**Joint Networking Lunch Break** *(Convened for all concurrent track delegates at the Main Dining Area)*	
13:00 – 14:00	**Session 6: Lunar Governance, Economy, Society & Culture (Part 1)** **Chaired by:** Jim Keravala, Moon Village Association (MVA) **13:00 |** WS26-07 Lunar Industry Development - Giant Leaps, Small Steps - Study Phase 2 — Satoru Kurosu **13:15 |** WS26-14 Lunar Market Assessment 2nd edition — Yosuke Enomoto **13:30 |** WS26-22 Decolonizing the Moon: Rethinking Power Asymmetries and the Political Dynamics of Equitable Participation in Lunar Governance — Muhammad Ibrahim Soejoeti **13:45 |** ZhuQue Series New Launch Vehicle, Empowering New Future for Lunar Exploration — Xu Yawei (Kevin)	**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*
14:00 – 15:00	**Panel 3: Giant Leap to the Moon: How the Indo-Pacific is Building Lunar Capacity** **Moderator** Antonio Stark, Global Network Coordinator – MVA **Speakers** • Dr. Damrongrit Niammuad, Deputy Director Geo-Informatics and Space Technology • Engr. Daniel Fadi D. Rahayel, Chief for Spacecraft Electronics and Computing Systems Development, Philippine Space Agency (PhilSA) • representative from APRSAF, NSNS (Singapore) *14:45–15:00 Transition / networking*	**Session 6: Lunar Governance, Economy, Society & Culture (Part 2)** **Chaired by:** Jim Keravala, 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 Lunaris- Dirk Schumann **14:*30*–15:00 |** *Cross-session discussion / track synthesis*

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15:00 – 16:00	**Joint Poster Session & Booth Exhibition** *All accepted poster contributions* **Coordinated b:y** Dr. Saowanee Srichai GISTDA 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. Evaluation of Gel-Based Substrates as Alternatives to Free-Water Cultivation of Wolffia globosa for Space Agriculture - Kuntorn Khunamornsrivongse 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. GNSS Time and Frequency Transfer for UTC(NIMT): Enabling Precise Timing Infrastructure for Sustainable Lunar Exploration and International Space Collaboration - Thayathip Thongtan 8. Bio-inspired Moon Habitation, Phacharaporn Bunyawanichakul, Associate Professor, Department of Aerospace Engineering, Faculty of Engineering, Kasetsart University, Thailand *Joint activity for delegates from both tracks.*	
16:00 – 16:45	**International Moon Day Session** **Chair:** Dr. Ulpia Botezatu, • Nasr Alsahhaf, IMD Co-Chair (Online) • Presentation of Main Event 2026 - Francisco & Gabriela, IMD Main Event Organisers *(Recording)* • Presentation of an IMD Global Event: Thailand Space Expo 2026 - Dr. Saowanee Srichai, GISTDA • Presentation of rebranding, Phoenix Comms & JOLT **(recording)**	
16:45 – 17:15	**Closing Ceremony & Moon Village Association Announcements** **Chair:** Dr. Giuseppe Reibaldi – President, Moon Village Association • Presentation of MVA Awards • Announcement of 2027 MVA Workshop • Closing the Meeting	

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