



JORDAN SPACE RESEARCH INITIATIVE
المبادرة الأردنية لأبحاث الفضاء

JSRI - Jordan Space Research Initiative
IMD Event 2023
Report

The Lunar Experience

“Beginning the New Lunar Journey for Humanity”

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1. Event's Overview

As the Jordan Space Research Initiative (JSRI), we are delighted to provide an overview of the remarkable International Moon Day (IMD) 2023 event, where we actively participated and made significant contributions. This global event celebrated the wonders of space exploration and united space enthusiasts, professionals, and organizations from around the world in a collective mission to inspire and educate.

As entrepreneurs in their respective fields, both JSRI and Orange's Innovation Hub have consistently demonstrated a commitment to fostering innovation, driving technological advancements, and inspiring the next generation of visionaries. By joining forces on this significant occasion, we have collectively created an event that did not only celebrate the wonder of space exploration but also showcased the cutting-edge capabilities of our organizations.

JSRI, as a leader in the space research field in Jordan, has been at the forefront of promoting scientific exploration, nurturing local talent, and facilitating international collaborations. Orange's Innovation Hub, renowned for its expertise in information and communication technology (ICT), has consistently driven innovation and provided platforms for transformative ideas to flourish. Together, our combined strengths have created a powerful synergy that has made the IMD 2023 event a resounding success.

2. Event Highlights

The International Moon Day (IMD) 2023 event, proved to be an engaging and interactive educational experience for the public. Held on July 23, 2023 from 15:00 until 19:00 with around [145 attendees](#), the event aimed to ignite curiosity, inspire innovation, and raise awareness about space technology and exploration. With a diverse range of captivating activities and exhibits, IMD 2023 catered to attendees of all ages, providing valuable insights into space research and the wonders of the universe.

3. Event Activities

The IMD 2023 event featured a wide range of activities, including keynote speeches, interactive exhibits through a VR/AR lunar experience, immersive demonstrations, and a robotics corner. The Attendees had the opportunity to engage with groundbreaking technologies, experience virtual space lunar environments, and learn about the latest advancements in space architecture, research, and exploration.

3.1. Robotics Corner

The Robotics Corner featured an impressive display of robots and robotic technologies. Attendees had the unique opportunity to witness the latest advancements in robotics, interact with robots, and learn about their applications in space exploration. Through live demonstrations and hands-on experiences, participants gained a deeper understanding of how robots contribute to various space missions and scientific exploration. Universities and individuals were also invited to showcase their robots in this section, alongside Orange's recently developed Robot/Rover.

The following demonstrates the robotic technologies displayed at the Event:

- 1- 1 Mars-Jo Rover by Orange

- 2- 1 Puppy Robot
- 3- 2 Robotic Hands

3.2. Speeches and Presentations

Speeches and Presentations: A dedicated theatre was set up to host presentations and talks related to the event and its organizers. JSRI delivered captivating presentations, providing insights into space research, technological innovations, and the significance of the International Moon Day. These sessions offered a valuable educational content, allowing attendees to expand their knowledge about space science, astrophysics, and the exploration of the Moon. Orange delivered a speech about their initiatives and the Innovation Hub's contribution to drive technological innovation in Jordan and the region. IMD and MVA presentations were displayed in order to have a deep understanding on the IMD.

3.3. VR/AR Experience

To enhance the immersive experience, the event featured virtual reality (VR) and augmented reality (AR) equipment (HoloLens). Attendees had the chance to engage with educational and awareness content related to space and space exploration through these immersive technologies. VR simulations has allowed participants to virtually explore the lunar surface learn more about the Apollo 11 mission to the moon and learn about the different stages of the moon. AR displays can provide interactive information and visuals, augmenting the learning experience and making complex concepts more accessible and engaging.

In addition, a breathtaking VR tour, using Oculus Quest 2, inside architectural models created by the finalists in our previous Space Architectural Design Competition! Where attendees explored stunning and innovative analog designs that embrace the cosmos and redefine space architecture.

The designer of this experience was XR developer Don Balanzat: A visionary scientist, engineer, technologist, and STEM Communicator, bringing the wonders of the moon to life using the HoloLens (AR/MR).

3.4. Educational and Awareness Content

Throughout the event, digital screens prominently displayed educational and awareness content related to space by the MVA and IMD. Attendees had the opportunity to learn about fascinating discoveries made in space, the technological advancements enabling space exploration, and potential future endeavors in space science and research. The curated content aimed to inspire curiosity, foster scientific literacy, and raise awareness about the significance of space exploration for humanity's future.

4. Pre-Registration and Impact:

To ensure a seamless experience, attendees were required to pre-register for the event. This approach allowed for effective crowd management, ensuring that participants could fully engage with the exhibits and activities in a comfortable and conducive environment.

5. Conclusion

JSRI's International Moon Day 2023 event successfully achieved its goals of captivating, informing, and inspiring attendees. Through its interactive and educational format, the event fostered a sense of wonder and curiosity about the vastness of space and the remarkable achievements in space research. By leveraging state-of-the-art technologies, informative exhibits, and engaging presentations, JSRI created an unforgettable experience that encouraged lifelong learning and nurtured a new generation of space enthusiasts and innovators. The event undoubtedly left a lasting impact on all those who attended, further promoting the importance of space exploration for the betterment of humanity. The videos shared by MVA/IMD were very useful to enlighten and educate the attendees on space and the international moon day amongst other aspects.

6. Photos and Videos

For a comprehensive visual experience of the event, we invite you to follow the link provided, where you can access a collection of captivating pictures and engaging videos from the occasion. These visuals offer a glimpse into the immersive displays, innovative exhibits, and inspiring presentations that took place during the event. Whether you attended the event and want to relive the memorable moments or simply wish to explore the wonders of space exploration from afar, the media gallery provides an excellent opportunity to delve deeper into the excitement and educational content of the event. Click on the link to witness the extraordinary moments and discoveries shared during this remarkable occasion.

Photos:

[JSRI- 23-07 - Google Drive](#)

Videos:

<https://drive.google.com/drive/folders/15Hqsb4LMghbq8anb-ni90wZLssl1hi8V?usp=sharing>

Please note that further photos and videos will be shared once received from the official photographer and videographer of the event.