

International Webinar Series on Future of Space Technology and Exploration

"ExploreTheSpace" (ETS), an International NGO promoting Space Education, is pleased to present you the Webinar Series - "Future of Space Technology and Exploration" - with international experts as speakers. The webinar series seeks to emphasize the need for global cooperation in Space exploration and has been designed to benefit the youth of the World, to encourage them to take up Space Sciences & Technology as their career.

Elcon Precision LLC, founded in 1967, is an American Company based in San Jose, California, providing diverse technical services and capabilities that include Photochemical Machining, Metallization and Coating of Ceramics and Brazed Assembly Services. A direct supplier to NASA, Elcon Precision manufactures high-precision Engineering Components for Aerospace, Medical, Defense, and Space Flight Industry.

Modern Space Exploration has come a long way since the first flight of human into space by the Russian Cosmonaut Yuri Gagarin in 1961 and the landing in the Moon of the American Astronauts Neil Armstrong and Edwin "Buzz" Aldrin in 1969.

Setting up human colonies on the Moon and Mars, extracting physical resources from the Planets and the Moon, for mankind's use on earth, moving physical assets and niche manufacturing to Space are some of the driving ideas of Space Exploration today. Robotics, Machine Language, Artificial Intelligence, Ion Engines, 3D Printing, Digital X-rays are among the breakthrough technologies that are advancing Space Exploration today.

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Edition - 2

NASA's Artemis Mission - Humanity's return to the Moon

Date: 14th September 2021 / Time: 7.30 pm to 9.30 pm (IST)

Inaugural Address



**Her Excellency
Ms. Grace Akello
High Commissioner of
the Republic of Uganda to
New Delhi**

Key Note Address



**Dr. Jaydeep Mukherjee,
Director,
NASA - Florida Space
Grant Consortium,
Florida, USA**

Special Addresses



**Ed Tomasek,
Director,
Business Development
Elcon Precision LLC
San Jose, California, USA**



**Manoj Pillai
Advocate
Supreme Court of India
Patron - MANOCHLAB**

Felicitation Addresses



**S. Balagurunathan
Science Writer
NCERT & Times of India
Awardee**



**D V Venkatagiri, CEO,
Explore The Space &
The Global Trade Driver,
Chennai**

Key Takeaways

1. Networking
2. Certificate for each Participant
3. Exposure to latest developments in Space Technologies
4. Useful study material.
5. Project Opportunities for participants

Who Can Register - Research Scholars, Entrepreneurs, Senior / High School, College and University Students from all over the World and with background in Engineering, Mathematics, Physics, Chemistry, Management, Life Sciences, Astronomy, Metallurgy and Material Science, Aerospace and Aeronautics.

The abstract of the webinar

- **A lunar race is underway with different nations planning to send both rovers and humans to the Moon.**
- **NASA plans to land a woman and man on the lunar surface by 2024 through its ARTEMIS program to test new technologies on the Moon before moving on to Mars.**
- **A primary impetus for a moon race now is the discovery that there is water on the Moon, especially ice deep within polar craters where the sun never shines. That is a potentially invaluable source of drinking water for future astronauts visiting the moon, but also for water that can be broken down into hydrogen and oxygen.**
- **ARTEMIS program includes a large rocket (NASA SLS Rocket), the Orion spacecraft, lunar landers, a mini space station orbiting the Moon (Gateway) and new space suits.**
- **Challenges include issues with Moon dust or regolith that can damage instruments and possibly an astronaut's lungs, nervous and cardiovascular systems.**

For Registration please email explorespace360@gmail.com

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