

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

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ARTIFICIAL SPACE EDUCATION AND OUTREACH: A NEW APPROACH TOWARDS SPACE  
EDUCATION BY USING AI

**Abstract**

We have been practising space education and outreach (SEO) strategies in various forms. Space agencies have different approach starting from making various space videos from on-board International Space Station (ISS) to citizen science project to get participation from the public. We have been also running contest and competitions to grab attention of students towards space science and technology and to give a platform to present their ideas and inventions. Science communicators have been also using different approach by creating TV shows and documentaries for space education. Few years back, ESA has launched a documentary on the mission Rosetta. This documentary was using simple yet unique content, it was a masterpiece art. It delivered it's message very well to everyone. There is a lot of efforts is being taken by space agencies for proper space education and outreach. Still there is need to use various new strategies or to develop new algorithms for better SEO. Imagine our potential take everyone to Mars or the moon and involve everyone for the space mission. What if, everyone can have an experience like an astronaut. Back in 60s, people have enjoyed moon landing by watching it on a TV. Maybe we are the generation where we will enjoy Mars landing by participating in the mission itself. It is easy to achieve cool things for our generation because of advancement in technologies and we can use those for reaching our goals to improve SEO. Eg. With virtual and augmented reality our next generation will be more thrilled to have an experience like an astronaut by sitting at home and wearing VR glasses.

Not only about technologies but we can also develop an overall better algorithm for effective SEO. There are many more complicated questions in the space field that we need to answer, and I realized that there are incredibly complex problems and no individual brain can solve them. I believe the active space community can participate to seek answers for those questions. I want to be a part of creating this community where a curious, passionate, and talented group of people are working on these moonshot challenges and solving sophisticated problems by their collective intelligence. This paper is an active efforts towards proposing the new algorithm and a new approach to SEO by making it Artificial Space Education and Outreach (ASEO) by using Artificial Intelligence.