

Expanding Humanity to Outer Space Youth Event

Abstract

The Space Renaissance International (SRI) promotes the urgency of expanding human civilization into outer space. Among the many committees of SRI, the recently established committee called “Towards the Young Generation Committee” tries to communicate the vision and mission of SRI to the young. For this reason, it was decided to organize a fully online event called Expanding Humanity to Outer Space “EHTOS”.

Unfortunately, educational systems around the world do not emphasize the human aspect of expanding human civilization into space. The focus of most space educational systems is space engineering and sciences. While engineering and science are extremely important, we believe that the philosophy of space should be a compulsory and integrating part in the space educational program of universities around the world. EHTOS tries to bridge this gap.

This presentation explains the aims, structure and the results of the first EHTOS event that was held in 2024. In addition, it explains the upcoming EHTOS event for 2025. The call for participating teams from around the world is open at the time of the 3rd Space Renaissance conference Italia, and students will be welcomed to join EHTOS.

Ghanim Alotaibi – an essential bio

Ghanim Alotaibi is a PhD candidate at the University of Strathclyde. His research project is thermal management for an advanced Solar Power Satellite (SPS) concept with the aim of advancing the Technology Readiness Level (TRL). As a mechanical engineer graduated from Kuwait University, Ghanim started his career as a petroleum engineer at Kuwait Oil Company. After obtaining a degree in astronomy and completed his master’s in solar energy (photovoltaics) from Freiburg University, he proposed the first satellite for Kuwait University. The satellite project was funded and it was successfully launched in January 2023. Ghanim was an active member in many space non-profit organizations. In the past, Ghanim was the Middle East Regional Coordinator of the Space Generation Advisory Council (SGAC). Currently, he is the project manager for the Moon Village – Participation of Emerging Space Countries (MV-PESC). The aim of the project is to bring developing countries to perform moon projects. In addition, Ghanim is a board member at the Space Renaissance International (SRI) and co – chairing the towards the young generation committee. Ghanim’s exposure to space research and the wider space community motivated him to initiate and lead countless activities to bring concepts of advancing human civilization into space to developing countries. For this reason, he founded Advance Space Civilization Initiative (ASCI) where he offers courses about the topic for the general audience focusing on developing countries.