

## IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)

## Ignition - Primary Space Education (1)

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## SPACE EDUCATION AND OUTREACH ACTIVITIES IN OMAN

**Abstract**

Space Exploration has fascinated human being since the ancient time and humans have been able to achieve a great zenith in the field of Space exploration. Globally space technology is playing an integral role in helping to improve human life in various forms and it is believed that space technology has a great potential to solve many problems through space based missions. The future holds in the development of advanced instruments, sensors to be equipped with different forms of spacecrafts in order to explore Earth in a better way, in this regard it is believed that in the future there will be a great demand for people with expertise in advanced space engineering knowledge in order to contribute towards that. In order to prepare the future space engineers and create awareness about space science and technology, Global Space and Technology Company located in Muscat, Oman has been working since the last two years to organize different kind of space science based educational activities for primary school students considering the fact that providing space science based education to the students from the primary school age will be the best investment in order to prepare them for the future. Mobile application to teach space science and technology, Education Space card with VR (virtual reality) and AR (Augmented reality) technology, Space book and associated scientific books, VR technology for education and training. The startup company located also aims to provide advanced new technologies, products and services to the space, satellite and telecommunications sectors specifically, Telecom, Oil and Gas, remote sensing, Photography, live streaming and what serve Government and military sector. Sultan Qaboos University is developing the first Oman CubeSat and further development of sounding rocket launch sites, Nano-Satellite development are some of the key areas in which Oman would like to progress in the future. Considering the need of future engineers and scientists to contribute the future space technology goals in Oman, we look forward to further train and impart space science education to students along with harnessing space technology resources for its real life application in service to people not only in Oman but to the whole Arabian peninsula.