

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

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THE ACHIEVED ACADEMY, ACCESSIBLE SPACE EDUCATION INITIATIVE LAUNCHED BY  
THE SPACE GENERATION ADVISORY COUNCIL.

**Abstract**

As humanity continues to explore the frontiers of space, the demand for skilled professionals in the space sector continues to grow. As the space sector grows and advances, it becomes increasingly complex and sophisticated, requiring a broad range of specialized knowledge and skills. Therefore, it is essential to provide young students with experiences that equip them with the necessary tools to pursue careers in the space sector. Unfortunately, today such opportunities are only available in a limited number of countries (usually those with a developed space sector), and even then, many students cannot afford their cost.

In this context, the Space Exploration Project Group (SPEG) of the Space Generation Advisory Council (SGAC) has decided to launch a Space Mission Design Training Program to support young students and professionals in acquiring knowledge and experience that can help them start their careers in the space sector. This "Academy" would become part of the Assembly for Concepts in Human Interplanetary Exploration with Various Extraterrestrial Designations (ACHIEVED) Research Team.

The objective is to develop and manage a free (no cost paid by the participants) and open (available for everyone with an internet connection and a laptop) educational program around the subjects and disciplines needed to design space exploration missions. Ideally, this program would expose the participants to all the significant aspects of space mission design and systems engineering. At the same time, they would have the opportunity to work together on a project that allows them to put what they have learned into practice.

This paper aims to present the first version of the ACHIEVED Academy program and explain the approach taken by the Academy Leadership Team to develop and manage the program. At the same time, the paper will discuss the significant challenges and lessons learned, highlighting the key factors that will lead to the success of these kinds of initiatives. Similarly, the content of this paper hopes to provide a blueprint for any person or entity interested in launching similar initiatives within their respective countries or organizations.

This work results from the efforts made by the ACHIEVED Academy Leadership Team under the guidance of the Space Exploration Project Group (SEPG) of the Space Generation Advisory Council (SGAC).