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Contemporary Arts Practice and Outer Space: A Multi-Disciplinary Approach (3)

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SCIFASE: THE INTERSECTION OF SCIENCE FICTION AND SPACE EXPLORATION

Abstract

As humanity continues to push the boundaries of space exploration, we need science fiction as a source for inspiration to determine the possibilities that the future may hold. SCIFASE (Science Fiction And Space Exploration) is a project from the Space Generation Advisory Council that presents an innovative approach to space exploration through the lens of science fiction. Gathering inspiration from books, movies, art, and public opinions, the project uses the creativity of the next generation for idea generation and execution, and to promote international collaboration for the peaceful use of space by contributing to the ongoing dialogue on safety and sustainability of space technologies. SCIFASE is centered on five key topics of discussion:

1. Artificial Intelligence for idea generation
2. Cryosleep, long-term space missions and habitat creation
3. Politics, law, and psychology in the space context
4. Energy sources and space propulsion
5. A review of science fiction ideas from literature as well as the public, and real-life projects.

One of the goals of this project is to provide recommendations regarding policies and potential technologies to governmental agencies, analogue missions, private space companies, and other key players in the space sector through articles, publications and outreach initiatives, so that feasible ideas can be tested and subsequently implemented. The second component of the project is to generate science fiction-inspired art and conceptual technology to complement space exploration and habitat creation. This project highly takes into account the ethical implications of the generated ideas, such as the potential impact on human life, diversity and inclusion and the need for responsible innovation. In summary, this paper presents a unique and exciting vision for the future of space exploration, one that draws inspiration from science fiction and pushes the boundaries of what is possible. By examining the scientific concepts, technological advancements, and cultural influences that have shaped the development of space exploration and science fiction through our study, we can gain a deeper understanding of the impact they have had on society, and acquire insights into what the future may hold for humanity's exploration of the cosmos.

Please note that the present abstract is submitted as a part of the Space Exploration Project Group's research, under the Space Generation Advisory Council.