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HISTORICAL REVIEW OF DESIGN INVOLVEMENT IN SPACE ACTIVITY

Abstract

Space development is an interdisciplinary activity and the latest field of study seems to include contribution from Design field such as activities in The studio of NASA JPL. This research aims to collect and categorize previous examples of design involvements in space development and suggest types of preferable future of those design researcher illustrate. From this review, this paper aims to answer what is the current preferable future dominating in the collaboration study between designer and space industry. It involves review of design example in space and identification of values that supports design practice in space.

In the field of design research, it is often described as designers are Agents of Change, aims to utilize design to create a Preferable Future'. Specifically, this research targets terms of design from UIUX design to design research activity to shape developers' identity for future space activity.

For example, at the Royal College of Art in 2019, Tibor Balint of NASA presented "Design Space for Space Design", which proposes designs practices to achieve astronauts' wellbeing in the era of long-term human space exploration. The University of Houston is exploring the "identity" of our future space development through the architecture design in space. While JAXA introduce more speculative design project in collaboration with design consultancy, IDEO, suggesting future preferable use of Japanese airspace as "Future Blue Sky".

Through the review of these interdisciplinary researches on space activities and design, this paper is going to study values and different types of Preferable Future in local and global practices through the lens of design.