

46th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
SETI 2: SETI and Society (2)

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THE SEARCH FOR EXTRA-TERRESTRIAL INTELLIGENCE AT TRAPPIST-1 E: POSSIBILITIES
FOR LIFE

Abstract

”Om” or the total of the Universe, is the nourisher of our aspiration for the Search of Extra-Terrestrial Intelligence. Since the start of life on Earth, man has admired the stars and pondered about presence of life past the Earth. As the learning of man propelled, his craving to investigate the sky extended. However, the curiosity for the Extra-Terrestrial Intelligence has incited humanity to develop better knowledge and the capability of communicating with those past the Earth. This paper proposes a contextual analysis of techniques, for example, optical and radio perception and their upgrades would prove to be valuable for future SETI programs and Interstellar missions to TRAPPIST-1 e. In terms of cosmic distances, 40 light years is not much, but with respect to current technologies, it is alongside unimaginable for us to achieve those separations. Different reviews have been proposed for planets in habitable zone like, Kepler-442b and so on. However, taking a planet at a close quarter, such as TRAPPIST-1 e, will justify human’s drive for interstellar investigation, since a peculiar means of travel and exploration would be essential. This paper will take a modern contextual analysis of the incident and different conceivable outcomes of SETI will be examined in detail. The paper will depict the measure of time that will go at each technique for travel and exploration. It would also give an idea about cost and energy involved in the Search for Extra-Terrestrial Intelligence at TRAPPIST-1 e. Further, the essentials to an interstellar mission to TRAPPIST-1 e will be given in detail and a specimen mission will happen at that specific goal. The contingency of this mission is feasibly baseless with current technologies, yet craftsmanship can never be criticized as each research is a new discovery giving a firm base for further exploration. Furthermore, this paper anticipates to build up some broad rules for such an interstellar mission.