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Author: Mr. Zwe Thi Ha  
Kyushu Institute of Technology, Japan, zwethiha234@gmail.com

LIGHT TRANSMISSION COMMUNICATION SYSTEM VIA INTERSTELLAR

**Abstract**

In the future, human being may able to travel in space between planet to planet. Even now, people are trying to reach to Mars. Definitely, space travel could be one of the transportation systems in coming soon. Colonizing planet is the basic factor for exploring the science and finding new resources. These are the first step exploring interstellar. Other planets like Earth are explored and people could reach there in the future. Travelling planets which takes many light years could be possible if new insane technology would be provided. However, people on earth really want to know what happen on those planets when astronaut reach there. Transmitting signal from there to Earth could be taken many years. The possible thing is that light transmission via each planet. Whatever, the light signal would be reached or received to Earth. However, the light signal could be deviated or bended by the gravity of a universe or planets. According to the relativity, the light signal could be bended due to something's gravity. For example, the black hole pulls everything and even light signal cannot escape. This phenomenon is occurred due to massive gravity of blackhole. Therefore, gravitational lensing is one of the consideration facts for transmission via interstellar. In the concept, light transmission satellites link could be needed through the via exoplanets. Using light communication link, the information from spacecraft or station on the planet would be received by Earth base stations. This system technology concept is aimed for the further mankind space travel.