

Breaking Barriers in Space Communication : Advancements in Deep Space Satellite Technology

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Abstract: *Deep space satellite communication is the term used to describe communication between Earth and satellites or spacecraft that are orbiting the planet outside of its sphere of influence. Sending signals from Earth to the spacecraft and receiving data, pictures, and other information sent back by the spacecraft constitute the communication process. For space exploration and study, deep space communication is essential because it enables us to gather important data about our solar system and beyond. Yet, because of the distance involved and the possibility of noise and interference interfering with the signal, deep space communication is fraught with difficulties.*

Keywords: Deep space satellite

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