

# **Building a simulation program to evaluate satellite communication links via Vinasat-1 and Vinasat-2 satellites.**

**Vu Minh Thang**

**Abstract:** In today's context, ensuring stable communication links between satellites has become extremely important. This topic focuses on developing a simulation program to evaluate the performance of communication links via Vinasat-1 and Vinasat-2. The main objective of the research is to provide useful solutions for optimizing satellite networks. The applied method includes a combination of wireless transmission theory and simulation experiments using simulation tools. The expected results of this topic not only contribute to the research field but also help improve the quality of satellite communication services.

**Keywords:** Simulation and evaluation of communication links, satellites, Vinasat-1, Vinasat-2