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Models for Successfully Applying Space Technology Beyond Its Original Intent (2)

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Abstract

The business of space technology transfer is specialized to bring together the innovation of cutting edge technologies into new space and commercial applications. As such, technology transfer serves as a function of optimizing the investment in space research through many channels of formal and informal business practices. It is with the former of the two practices that technology transfer should be recognized as a systemize integrator of defining, targeting, and thus better aligning the use of investments in space research and technology (RT) for purposes beyond its original intent. The benefit of doing so encompasses the RT development spectrum from immediate evidence of utilizing technology to acknowledging some technology is ahead of its time that ends up coming will be put to use in the distant future.

In support of requirements for having a formalized technology transfer effort within U.S. government agencies, research for this paper will be done and shared on the significance of near and far term applications of space technology through a formalized interconnected transfer processes. This paper will discuss technology transfer as a powerful integrator for affecting and measuring the return on investment in space RT with emphasis on impacts beneficial to society. It will analyze unique trends in technology transfer practices and delve into dynamic and comprehensive processes that indicate what is necessary for being productive in getting valuable technology transfer results.