

SPACE POWER SYMPOSIUM (C3)

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A REPORT ON THE STATUS OF THE IAA STUDY GROUP ON SOLAR ENERGY FROM SPACE

Abstract

The International Academy of Astronautics (IAA) is conducting the first International Assessment of Solar Energy from Space during 2008-2010. This effort involves a variety of new studies and assessments of specific topics within the general field of space solar power (SSP)—ranging from low cost launch, to affordable in-space transportation, to high efficiency solar power generation, and others. The effort also involves the review and synthesis of prior studies of key topics in SSP. During 2008-2009, considerable progress was made on the study, including an international workshop on solar energy from space, held in Toronto, Canada on 6-8 September 2009.

This paper will present the results of the study effort to date, and provide an opportunity for participants in the study and others to provide comments and inputs on the study.