

10:55-11:20

**Old and New Problems and Technology:  
Space Solar Power Station (SPS) and Reassembling the Humanosphere**

**Shuhei Kimura** (Fuji Tokoha University) and **Naoki Shinohara** (Kyoto University)

The East Japan Great Earthquake caused complex and massive damage to Japanese society. One of the most serious consequences was the failure of the TEPCO Fukushima Daiichi Nuclear Power Plant. The worst manmade disaster of this century served as a strong reminder of the crucial problem of energy production and consumption. Some have offered “social” solutions, for example, we should stop pursuing economic profit and consume less energy. Others have offered “technological” solutions, stating that, regardless of the risk, we should strive to elaborate and advance technoscience since we cannot live without it. Both solutions seem one-sided, however. In this paper, we seek another solution by examining a technology called the space solar power station (SPS). The SPS is a system that can be used to produce mass energy safely and cleanly; unfortunately, its massive size has thus far prevented its realization. Considering a way in which to put SPS to practical use would clarify the network of multiple actors at multiple levels that surround this unrealized system, and would highlight the necessity of their coordination. It would also provide us with insight into an alternative way in which to reassemble the relationships among the actors that play roles in the humanosphere.