

“Journal of Space Economics – theoretical and practical considerations”

J. Sommers (1), V. Beldavs, (2)

(1) University of Wisconsin Milwaukee, Wisconsin, USA, (sommerjw@uwm.edu), (2) University of Latvia, Riga, Latvia (vid.beldavs@fotonika-lv.eu)

Abstract

The emerging field of space economics appears to include multiple subdisciplines that draw on analogous disciplines in the terrestrial realm – economics of space development (developmental economics), space resource economics (resource economics), economics of human/autonomous-robotics systems (information economics), lunar economics, Martian economics, multi-planetary economics (macro-macroeconomics?), and more. The range of economics issues to address is considerable. But thus far there is no academic publication devoted to the study of the myriad issues that can arise in space economics or to the theoretical base for research in the field.

This paper will address theoretical and practical considerations for the emerging field of space economics and propose an editorial policy for a journal of space economics to provide a forum for the discussion of space economics issues. It is anticipated that initially the *Journal of Space Economics* will operate from two different nodes one offering a European perspective (University of Latvia) and the other a U.S. perspective (University of Wisconsin at Milwaukee).

The first edition of the Journal of Space Economics will focus on issues likely to arise during the course of the International Lunar Decade 2020-2030.

- Economics of a domain constrained by the Outer Space Treaty and the prohibition of claims of national ownership implicitly of real property rights.
- Money in the space domain
- Economic choice in an environment of human and autonomous robotic agents
- Economics of the space commons

- Review of the Moon Treaty from the perspective of economics

If economics has value on Earth economics to provide guidance in the management of the economies of the Earth, then economics should have value in managing the emerging space economy. If there is a self-sustaining space economy, then it is a subject of economic analysis.

Internationally recognized economists in key sub-disciplines will be invited to serve on the editorial board of the *Journal of Space Economics*. The first edition is targeted for release prior to the UNISPACE+50 Conference 20-21 June, 2018.