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SPACE TOURISM TECHNOLOGIES AND ITS ADVANCEMENT THROUGH COMMERCIAL COOPERATION OF DEVELOPING COUNTRIES AND SMALL COMPANIES

Abstract

Since the last decade, one important concept that has become very significant is the concept of space tourism. The most important thing about space tourism is that while it may be a commercial activity: it has a direct bearing on increasing the public's interest in space programs, which can result in more budget for space development. Furthermore, space tourism can also result in innovative technologies being developed for suborbital space flight as well and it can have a similar boost to aviation as in 1930's when flying boats contributed to increasing the public's awareness about aviation. As a result, many large companies have invested for space tourism technologies comprising of hypersonic plane designs, suborbital flight technologies, advanced radiation protection systems for passengers as well as advanced propulsion and structural technologies for advanced space tourism concepts. However, each of these fields require heavy investment in turns of technology advancement required. Hence, in order for space tourism to prosper, the technologies involved in commercial space flight need to be developed to become affordable and feasible. The paper focuses on some innovative technologies for low cost space tourism opportunities. Furthermore, the importance of developing nations to invest in space tourism is also discussed and stressed in this paper. In addition, the role that smaller companies can play in space tourism is also stressed in this paper as through an innovative business plan, they can make money and help invest in commercial space tourism technology as well. This can directly help space economy and aid the growth of non commercial space development as well.