

BUSINESS INNOVATION SYMPOSIUM (E6)  
Public/Private Human Access to Space - Supporting Studies (2)

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SPACE COMMERCIAL ACTIVITIES IN THE POST-SOVIET AREA AND IN UKRAINE

**Abstract**

The expansion of the modern rocket-space technology initially was determined by the world political situation after the end of the World War II. The USSR within the bounds of created Commonwealth of Socialist Countries initiated creation of missiles in many of them, Albany, Poland, Czechoslovakia, DPRK, PRC included. Arms race defined leading countries, which didn't count expenses by the end of XX century. Among them were USA, USSR and China. In XXI century, when many countries declared their space ambitions, sound discussions had been started. In many world countries, the European Union included, rocket-space projects became commercial ones: they must pay for themselves and yield a profit, return investments. And commercial requirements are laid down to space projects in the Russian federation, Kazakhstan, Ukraine and other post-Soviet countries. What is being done for commercialization in the Ukraine, famous all over the world due to its achievements in the Soviet period? All these directions have been analyzed with the purpose of efficiency enhancement of attracting commercial structures into the science intensive advanced industry: the rocket-space one. As a result of the conducted analysis there are recommended the effective ways of development and expansion of the rocket-space branch in Ukraine under the state supervision with arrangement of conditions, which are attracting for project investments by commercial structures. The commercialization's efficiency of the industry branch will cause in its turn the increase of the state-guaranteed orders amount in the industry state segment. And this will promote the progress in the field of science and education; it will improve a training of the technicians, provide introduction of modern technologies, increase the investments and ultimately, enhance living standard of the space power population. The commercialization analysis of the world rocket-space activity has been carried out by the authors' team with the purpose of choosing the ways of development of the alternative astronautics in Ukraine on the basis of private companies' activity with attracting the means not from the state budget.