

**THIRD INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE
«SPACE TRAVEL IS APPROACHING REALITY»
(SUCCESSFUL EVENT IN DIFFICULT TIMES)**

TETIANA MATUSEVYCH – Ph.D.,
Kiev University of Tourism, Economy and Law
(Kyiv, Ukraine)

E-mail: sokmatus@gmail.com

The article analyzes the presentations of participants of III International Scientific and Practical Conference «Space Travel – approaching reality», held on 6–7 November 2014 in Kharkiv, Ukraine.

Keywords: space, space tourism, space travel, space philosophy, space exploration.

**ТРЕТЬЯМЕЖДУНАРОДНАЯ
НАУЧНО-ПРАКТИЧЕСКАЯКОНФЕРЕНЦИЯ
«КОСМИЧЕСКИЕПУТЕШЕСТВИЯ –
ПРИБЛИЖАЮЩАЯСЯРЕАЛЬНОСТЬ»**

Т. В. МАТУСЕВИЧ – к. филос. н.,
Киевский университет туризма, экономики и права
(г. Киев, Украина)

В статье анализируются доклады участников III Международной научно-практической конференции «Космические путешествия – приближающаяся реальность», прошедшей 6–7 ноября 2014 в Харькове, Украина.

Ключевые слова: космос, космический туризм, космические путешествия, космическая философия, освоение космоса.

Third International Scientific and Practical Conference «Space Travel is Approaching Reality» was held in Kharkiv, Ukraine on November 6–7, 2014. The conference was organized by the International Society of Philosophy and Cosmology in collaboration with Kharkiv Planetarium of Y. A. Gagarin. The aim was to bring together people, ideas and information in the field of long-duration space travel. This event was held within the framework of the project «Space Travel is Approaching Reality» promoted by the International Society of Philosophy and Cosmology, that involves all interested organizations and individuals in the scientific, technical, philosophical and creative exploration of outer space and the very causes underlying the creative impulses of people to overcome the magnitude of the Earth and reach the level of cosmic force.

This year conference was organized around next themes: modern scientific (technical, philosophical, pedagogical, psychological, sociological, etc.) researches of the problem of space travel, with the aim of a broader and deeper interdisciplinary approach to researching the problems of development of near and far space, consideration of the development prospects of space travel, space tourism and resettlement of mankind in space.

The main questions for discussion were as follows: the scientific and philosophical understanding of the prospects for the development of space travel and space tourism; finding new approaches and methods of surrounding space researchers; analysis of the ideas of space exploration that are relevant for the further development of culture, science, technology, pedagogy and educational philosophy; resettlement of mankind in space; study the behavior of human beings in long-duration space travel; space law: the stages of formation and development. prospects for the development of space law in the world and in Ukraine; analysis of current development projects of Mars, the Moon and other planets.

Organizers of the conference: director of Kharkiv Planetarium of Y. A. Gagarin Galina Zhelezniak and Chairman of the International Society of Philosophy and Cosmology, Ph.D., Professor Oleg Bazaluk in their welcoming speeches noted that Kharkiv was chosen as conference venue due to certain circumstances. Even from the period of Soviet history renowned base of training in the field of rocket and aircraft industry was in Kharkiv: Kharkiv Aviation Institute, Kharkiv Polytechnic Institute, Kharkiv National University, Karazin Kharkiv Institute of Radio Electronics. There was established corporation «Hartron», which today includes 11 independent enterprises, which develops and produces management systems in space and on the ground.

In many ways, the flight of the first man into space hastening engineers and designers of Kharkiv enterprises, as they were called, «mailboxes». Currently, some of them are united in the Public Coordinating Committee «Space Rocket Kharkiv», which is headed by a real enthusiast of the business – Gennady Mikhailovich Tupalo. This committee brought together veterans of the Kharkiv space industry: Those who familiar with the history of the Kharkiv, certainly know that in the first –Gagarin's cosmonaut team was Kharkiv citizen – Valentin Bondarenko. He died on March 23, 1961 – three weeks before Gagarin's flight – before the end of the experiment in the isolation chamber.

Also Professor Oleg Bazaluk in his welcome speech noted that project «Space Travel is Approaching Reality» was started by International Society of Philosophy and Cosmology in 2010. 2010 year was notable for two major events in space exploration. Firstly, on 23 October 2010 in the desert of New Mexico (USA), 70 kilometers north of the city of Las Cruces opened runway the world's first private spaceport The New Mexico Spaceport Authority Building (for people «Spaceport America»). Project Manager – world-renowned architect Norman Foster. Part of the spaceport territory and crossed into the terminal lease corporation Virgin Galactic – the company of billionaire Richard Branson, to whom belonged to the idea of building the spaceport. Secondly, two weeks before October 12, 2010 hosted the first manned flight of a commercial suborbital spacecraft SpaceShipTwo VSS Enterprise, established in the company Virgin Galactic. The winged rocket plane took off from the carrier WhiteKnightTwo «Eve» at an altitude of 13,700 meters above the Mojave Desert, in southern California, and operated by pilots of the company Scaled Composites Pete Siebold and Mike Olsberri successfully landed at the airfield Research Center Mojave Air and

Space Port eleven minutes later. Flight performed without engines, was soaring, his objectives were to monitor the dynamics of the liberation of the ship, to make an initial assessment of management systems and the consequences of stopping the engine, to compare the stability and control with the predictions of computer models to look at the lift and drag, as well as just run downhill and sit down. It is planned that the spacecraft will lift SpaceShipTwo suborbital altitude for six passengers and two pilots. The initial price of tickets for space passengers is about \$ 200 thousand for the place. SpaceShipTwo, designed by Scaled Composites and designer Burt Rutan, is an improved version of the aircraft-rocket SpaceShipOne, which won \$ 10 million Ansari X Prize competition in 2004 and was the first commercial manned spacecraft reached an altitude of 100 km. That's when billionaire Richard Branson has decided to launch Virgin Galactic and enter the market of space tourism. These two major events have already pointed out a fact – on the commercialization of space research and opened access for private companies for exploration of outer space. From fundamental research funded by the state and depend on the policies of individual government officials, space research reached the level of private interests by opening access to the mass implementation of internal creative potential of people of the magnitude of the planet Earth.

The first presentation was made by Lytvynchuk Nikolai Ilyich – Ph.D., Associate Professor, Senior Lecturer at Faculty of I. Kozhedub Kharkiv University of flying Air Force, military pilot – instructor of 1st class. In his presentation titled «Paradoxes Of The Navigation Map (Model) Of The Sky For Long-Distance Space Travel», the author noted that the starry sky that we see is the story of the stars, distant from us at a distance of light years. Flight to them is movement from their history to the reality that push further the flight. For justifying the stellar travel we need to be able to predict the state and the coordinates of stars in time. In conclusion, the author of the presentation stated «Space travel – is fast approaching reality».

The next presentation was made by Krichevsky Sergey Vladimirovich – Doctor of Philosophy Professor, Senior Research Fellow at the Environmental Center of Russian Academy of Sciences, military pilot of 1st class, test cosmonaut. The presentation titled «Green» Cosmonautics For The Future Of Humanity: Utopia, Reality And Prospects « was devoted to a brief presentation of ideas, research results, and the foundations of a new methodological approach, developed by the author in the Environmental center of Russian Academy of Sciences within initiative plan of fundamental research « The Concept and Methodology of the Analysis of Environmental Aspects of the Modern History of Engineering, Technology, Technological Orders in the Paradigm of «Green» Development».

Bazaluk Oleg Aleksandrovich – Chairman of the International philosophical and cosmological society, Ph.D., professor spoke on «Chronology of space tourism». The author gave a definition of space tourism: space tourism – is paid from private funds or space flight into orbit in entertainment or for research purposes. According to the report, the chronology of space tourism begins with the date of August 22, 1962, when the experimental manned orbital plane (EPOS) USAF X-15 set an unofficial world altitude record – 107 km 960 m. After more than 40 years, this record will beat the brainchild of Virgin Galactic, aircraft SpaceShipOne (111 km 996 m). Let's note some interesting date of the report. In 1980, Peter Diamandis founded the Students for the Exploration and Development of Space (SEDS). SEDS is currently the world's largest student organization in the field of space. In 1997 he established the Space Tourism Society in Los Angeles, California. The First International Symposium

on Space Tourism organized by Space Tours GmbH was opened in March of this year in Bremen, Germany.

The next presentation titled «The origins of Ukrainian cosmic philosophy in the context of the development of civilization» was presented by the director of Kharkiv Planetarium of Y. A. Gagarin Galina Zhelezniak. She noted that Ukrainian scientific and philosophical thought allowed Ukraine to enter the top ten countries, which have a complete cycle of space activities. Space has limitless motivation for research. Hence it follows a further challenge for the Ukrainian philosophy – to assert the importance of personality, to continue humanistic traditions.

Among the speakers I would like to highlight the performance of artist, bard, musician, poet, sculptor, philosopher Berezyukov Igor Vladimirovich. The author has prepared a presentation of his poems and songs on the philosophy of space, the possibility of distant space travel, space and unknown planet exploration.

The conference was held in a friendly atmosphere, with thoughtful debates and discussions of presented papers. So, Third International Scientific and Practical Conference «Space Travel is Approaching Reality» was very successive event in very difficult times.



Andrey Kozko, Nicholay Lytvynchuk, Galina Zhelezniak,
Oleg Bazaluk, Sergey Krichevsky, Vasily Agafonov

