

Dmitry Payson

דמיתרי פייסון

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Considers occupancy in space industry, investment, venture capital foundations and incubators, university research and teaching economics and management in hi-tech and innovations

SUMMARY

My professional and research career is associated with the space activities, including economics, planning, efficiency, history, organization, and international relations. I was working at Roscosmos, Skolkovo Foundation and Sberbank, Russia's largest bank with the strong hi-tech strategy. In April 2022 I got the Israel citizenship and now live in Haifa with his family. I am seeking to work in the field of project coordination, evaluation and mentoring, marketing, space industry organizational development, PPP, education, and economic research. Due to the intensive and diverse background, the different and unobvious occupation suggestions are welcome.

WORK EXPERIENCE (brief)

- Part-time Researcher, the Hebrew University of Jerusalem, since 2023
- Managing Director of Sberbank Research and Innovation Department, www.sber.ru, 2021-2022
- Executive Director of Sberbank Research and Innovation Department, www.sber.ru, 2020-2021
- Deputy Director for Science, JSC "Center for the Development of Space Activities", 2019-2020
- Director of the Research and Analysis Center, Roscosmos, www.roscoms.ru, 2017-2018
- Director of the Information and Research Center, United Rocket and Space Corporation (ORKK), 2014-2017
- Director of Research/Development, Space Technology and Telecommunications Cluster, Skolkovo Foundation, www.sk.ru, 2011-2014
- Researcher positions, Central Research Institute of Machine Building (TsNIIMash), www.tsniimash.ru, 2005-2011

WORK EXPERIENCE (extended)

Part-time Researcher, The Hebrew University of Jerusalem

Since March 2023

Participation in the research project on private-public relationships in hi-tec industries

Managing Director (previously Executive Director) of Sber Research and Innovation

Department

January 2020 – April 2022

Served as Director of Research and Analytics at Sber Research and Innovation center. Led (and implemented) several major strategic technology foresight projects (Vision 2035, TechnoDisrupts, Sber Science 2021 <https://promo.sber.ru/nauka2021/index-en.html> , etc). Organized analytical support work (science news feeds, TG, internal resources). Coordinated research of the application potential of the advanced areas (space, quantum technologies, unmanned aviation). Led preparation and publication of a number of research and reporting materials (<https://press.sber.ru/publications/sber-podvel-itogi-nauchno-issledovatel'skoi-deiatelnosti-v-2021-godu> , <https://promo.sber.ru/nauka2021>). Chaired several public events in commercial space activities (<https://press.sber.ru/publications/sber-na-maks-2021-natsionalnyi-kosmicheskii-rynok-i-tsifrovoe-razvitie-vystraivaia-ekosistemu-budushchego>, <https://press.sber.ru/publications/sber-proviol-pervuiu-kosmicheskuiu-konferentsiu>).

**Deputy Director for Science, JSC "Center for the Development of Space Activities MAKD
February 2019 to January 2020, also leading Researcher, Institute of Economic Forecasting,
Russian Academy of Sciences (part-time)**

Director of the Research and Analysis Center

Roscosmos State Corporation

June 2017-July 2018

Led and personally participated in preparing the analytical materials on space markets, proposals, and projects for projects of the corporate development and commercialization of the national space industry. The Center supervised Roscosmos' interaction with national development institutions, including Skolkovo Foundation, Russian Venture Company, etc. Participated in the planning of the professional development programs and lectures on the organization, economics, and structure of global space activities as part of the industry's advanced training system. Actively participated in preparing Roscosmos roadshows for business. Numerous memoranda on organizing and improving the efficiency of national space activities. Member of Roscosmos Science and Technology Council. Had to leave Roscosmos after the major reshuffling of the space industry management in 2018.

Director of the Information and Research, Research and Analytical Center

United Rocket and Space Corporation (ORKK)

August 2014 - June 2017.

Led the research and consulting work in strategic and corporate planning at the early stages of the creation and operation of the United Rocket and Space Corporation. Participated in the development of the Corporation's Strategy, led the drafting of the Roscosmos Program for the

Innovation Development, developed a few proposals for the development strategy and structuring of the rocket and space industry.

Director of Science/Development, Space Technology and Telecommunications Cluster, Skolkovo Foundation

December 2011-August 2014.

Skolkovo Foundation (www.sk.ru) was created in 2010 to serve the national hub for the hi-tech startups' support. The space cluster hosted 100+ startup companies that made a starting point for the development of Russian non-state space activities. Was directly involved in the development of most significant Russian private space companies, including Dauria Aerospace, Sputnix, Spectralaser, Azmerit, and LIN Industrial. Played a key role in developing the Space Cluster Foresight, which defines priorities for space projects support. Was responsible for the formation of the expert panel of the cluster. Later in 2012-2013 the Skolkovo expert pool was involved in the development of alternative models of industry reforming. The transition to United Rocket and Space Co. in 2014 was aimed at the practical implementation of these developments.

Leading Researcher, Head of Sector, Deputy Head of Department, Central Research Institute of Machine Building (TsNIIMash)

January 2005-December 2011

While working at TsNIIMash - the main research institute of the space industry, was engaged in planning of space activities, space industry corporate development and user base development, public-private partnerships, international cooperation in space, space technology platforms, etc. Participated in the development and upgrading of the Federal Space Program and the Rocket and Space Industry Development Strategy. Was a scientific supervisor of joint research projects with the Keldysh Institute of Applied Mathematics of the Russian Academy of Sciences, Moscow Institute for Physics and Technology (MIPT) as well as with a number of other companies and organizations in conducting research on the study and modeling of the space activities' organization and efficiency. Was among the organizers of the joint Roskosmos-European Space Agency-European Union working group on space technologies.

Earlier - work in telecom, consulting, media

EDUCATION AND DEGREES

- D. of Sci in Economics (Central Economics and Mathematics Institute, Russian Academy of Science, 2011, thesis topic "Institutions and Institutional Design in Space Activities");
- PhD (MAI, 2003, spacecraft design with consideration of economic factors);
- Spacecraft engineer (Moscow Aviation Institute (MAI), 1994)

RESEARCH INTERESTS

Institutional design of space activities. Public-private partnership. Development institutions. Structure of space markets and value chains. Public good theory as applied to fundamental science and space activities. Structural reforms of industries. Space history.

TEACHING EXPERIENCE AS A LECTURER

Lecture courses in space activities' economics and organization as part of the Master programs with Moscow State University (<https://cosmos.msu.ru/> , <http://www.payson.ru/msu2020-2021/index2021.html>), Peoples' Friendship University of Russia (in Russian)

Lectures on Russian space program and policy at Skoltech University (Moscow) and International Space University (Strasbourg, France) (in English)

High school course in Cosmonautics Basics, <http://www.payson.ru/2019/index2019.html> ,

Outreach and educational projects (presentation kit <http://press.cosmos.ru/istoriya-i-praktika-kosm-deyat-kurs-payson> , video course "History and practice of space activity"

<https://www.youtube.com/playlist?list=PLHCBGdx6NxTuZEjAnQMUR6o2XMwZKXuWI>), Skoltech Summer space school (https://vk.com/wall-75699206_12676)

MAJOR RESEARCH PUBLICATIONS

Payson D., Frolov I., Bendikov M. Institutional specifics of the space and nuclear industries' development/In: Meso-economics of Russia: Monography // Moscow, Nauchnaya Biblioteka Publ., 2022. - 808 p. – pp.148-190. URL: <https://tinyurl.com/3pc5w26n> (in Russian; an English translation at http://www.payson.ru/EN_Chapter%20from%20Meso-economics.pdf)

Payson, D. New Space and Newest Space // Outer Space Future for Humankind: Issues of Law and Policy. Vol.26 in Essential Ail and Space Law series /The Hague: Eleven, 2021. - 460 p. - pp.31-50. URL: <https://www.boomdenhaag.nl/en/webshop/outer-space-future-for-humankind>

Payson D., Frolov I. Multi-Level Structure of The International Space Market and Analysis of Labor Productivity in the Rocket and Space Industry //Cosmic Research. 2020. vol. 58. No 3. pp. 218-226. URL: https://www.researchgate.net/publication/341908299_Multi-Level_Structure_of_the_International_Space_Market_and_Analysis_of_Labor_Productivity_in_the_Rocket_and_Space_Industry

Payson D., Alifanov O., Moiseev I., Vick C., Woods D. The Mishin Diaries, A New Significant Primary Source of Space History Information // Acta Astronautica. 2016. Vol. 123. pp. 192-199. URL: <https://www.sciencedirect.com/science/article/abs/pii/S0094576515302551>

Payson, D., Davidian, K. Transition of the Russian rocket and space industry // New Space. 2015. vol. 3, No.1, pp. 59-67. URL: <https://www.liebertpub.com/doi/10.1089/space.2014.0028>

Payson, D., Makarov, Yu. Russian Space Programs and Industry: Defining the New Institutions for New Conditions //Space Policy. 2009. T. 25. № 2. C. 90–98. URL: <https://www.sciencedirect.com/science/article/abs/pii/S026596460900023X>

Payson D.B. Peculiarities of the application of the category of public good to the analysis of performance and institutional design of space activity // Theoretical and Applied Economics. - 2018. - № 4. - C. 1-20. URL: https://e-notabene.ru/etc/article_27646.html (in Russian)

Payson D.B. Space Activity: Evolution, Organization, Institutions - M. : Book House LIBROCOM, 2010, 2nd ed. 2013. - 312 p. (in Russian).

ADDITIONAL EXPERIENCE AND SKILLS

- English - fluent (experience in lecturing, working in an international scientific environment), Russian – native, Hebrew – just starting at the moment
- Experience in journalism and editorial work (as a columnist for Nezavisimaya Gazeta, he won the National Award at the "Aerospace-96" journalistic contest in the category "For Covering Problems of Cosmonautics in the Press"), was a member of the editorial board of Rossijsky Kosmos magazine and wrote for Satellite Finance, Aerospace Daily and other magazines. Now is an associate editor of the New Space magazine.
- Led several projects in the history of astronautics, including transcribing and publishing in Russian the diaries of Vasily Mishin, one of the leaders of the national space program (<https://www.mishindiaries.com>)
- Prior to his re-election in 2018. - Chairman of the Advisory Committee on History of Astronautics, International Astronautical Federation/International Academy of Astronautics