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Review of the monograph “International High-tech Transfer and National Security: Trends, Challenges, Prospects”

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Abstract. Review is given to monograph “International High-tech Transfer and National Security: Trends, Challenges, Prospects”, which deals with the problems of innovation-based national security providing policy.

The monograph deals with the wide range of topical issues of international high technologies transfer and their impact on the national economy development. Particular attention is paid to strategic aspects of high-tech sectors of national innovation system development in the innovation globalization context.

For lecturers and students of economic and technical specialties of higher educational institutions, as well as a wide range of readers, who are interested in issues of national security management and innovation development under the globalization conditions.

Keywords: technology transfer, national security, innovations.

JEL Classification: Y 30.

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Рецензія на монографію «Міжнародний трансфер високих технологій та національна безпека: тенденції, виклики, перспективи»

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Анотація. Рецензія дається на монографію «Міжнародний трансфер високих технологій та національна безпека: тенденції, виклики, перспективи», яка стосується проблем політики забезпечення національної безпеки на основі інновацій.

В монографії розглянуто широкий спектр актуальних проблем міжнародного трансферу високих технологій та їх впливу на розвиток національної економіки. Особлива увага надається стратегічним аспектам розвитку високотехнологічних секторів національної інноваційної системи в умовах глобалізації інновацій.

Для викладачів, аспірантів і студентів економічних та технічних спеціальностей вищих навчальних закладів, а також широкого кола читачів, яких цікавлять проблеми забезпечення національної безпеки та управління інноваційним розвитком в умовах глобалізації.

Ключові слова: трансфер технологій, національна безпека, інновації.

Prospects for the development of the world economy increasingly depend on the speed of diffusion of new technologies, the formation of new industries and modernization of industry and services, the integration of enterprises and industries into the structure of the global economy. The strategy of increasing knowledge intensity, i.e. expanding the scale of scientific and innovative activities in terms of GDP or product value of individual companies, extends to a growing number of countries, industries and corporations. This creates an objective basis for further growth of research and the development of appropriate organizational and economic support for innovative development in order to ensure national security. Therefore, the study of additional measures for further development and transfer of high technologies and ensuring sustainable development of different levels of the

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economy based on them, their effective use and development of an appropriate implementation mechanism is an urgent task.

Thus, the monograph V. Omelyanenko (2017), devoted to the development of theoretical foundations of high technology and development of practical recommendations for improving the model of Ukraine's participation in international high technology transfer taking into account national security, is in demand from the standpoint of modern economics and practically significant.

The monograph is characterized by a systematic approach to research and the use of a set of general scientific and special methods that ensure the validity and reliability of the results.

The author substantiates the conceptual approach to the study of processes by innovation in the global aspect, according to which the international transfer of high technology is a long process, which is considered through

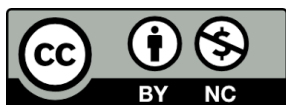
the logistics approach as a set of interconnected resource flows. It is argued that an important feature of the innovation ecosystem is its openness, i.e. internationalization. and obtaining the necessary resources from outside, and the appropriate channel for obtaining these resources - the international transfer of explicit and implicit knowledge to avoid focusing exclusively on the local market and local ideas.

The monograph covers a large information on ICT role in economic development, which is the basis of the new infrastructure of the country and should develop at a faster pace compared to the level of economic development.

In general, Vitaly Omelyanenko's monograph «International High Technology Transfer and National Security: Trends, Challenges, Prospects» is a completed research work, performed in a logical sequence, broadly covers and deeply studies the problem, and can be recommended for publication.

References

- Omelyanenko, V. A. (2017), *Mizhnarodnyi transfer vysokikh tekhnologii ta natsionalna bezpeka: tendentsii, vyklyky, perspektyvy* [International high-tech transfer and national security: trends, challenges, prospects], Trytoriia, Sumy, Ukraine, 248 p.



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