
ECONOMIC SCIENCES

**Nº10 (167)
2018**

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Founder: LLC “Economic Sciences”

Address: 125057, Moscow, Chapaevskii per., 3-775

E-mail: info@ecsn.ru

WWW: <http://ecsn.ru>

The Certificate of registration of mass media:

ПИ № ФС77–21147 from 28.06.2005

Subscription index 20387 (Agency “Rospechat”)

ISSN 2072–0858

Issue date 31.10.2018

Format 60x84/8

Printed signatures 15.58

500 copies

Printed by “24 Print” Ltd

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ECONOMIC THEORY

SOCIO-ECONOMIC SYSTEMS AND THEIR TYPES

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The article focuses on the theoretical and methodological features of the typification of socio-economic systems, the trends of their civilizational development, the development of the theory of post-industrial development of the economy and society, the prerequisites of the post-industrial transformation of the Russian economy.

Key words: socio-economic system, social, formative, civilizational, postindustrial, reproduction, economic, mode of production, production relations.

Received for publication on 30.10.2018

INNOVATIONS AND THEIR ROLE IN THE FORMATION OF MULTIPLICATIVE EFFECTS

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The subject of the article is the study of multiplicative effects generated by the process of development of the innovation sector of the economy. The influence of multiplicative effects generated by investments aimed at the development of the innovation sector complicates the process of its development. The spreading of multiplier effects can cause a shortage of resources, inflation. This will slow down the development of both the innovation sector and the economy as a whole. Consequently, the development of the innovation sector of the economy has a dual effect on the national economy. On the one hand, it enhances economic

security by weakening the dependence of the national economy on foreign technologies and innovative products. On the other hand, it worsens the situation with economic security because of the negative influence of multiplicative effects. The purpose of the article is to describe the influence of multiplicative effects generated by the development of the innovation sector on the process of this development itself, as well as to develop a methodology to evaluate the magnitude of the generated multiplicative effects. Evaluation of their magnitude and directions of distribution will allow developing methods for their management. This will minimize their negative impact both on economic processes in general and on the development of the innovation sector in particular. The process of building an innovative economy will become more efficient.

The results of the research can be applied in the framework of managing the development of innovative sectors of the economy of the Russian Federation, in order to stabilize this development, increase its efficiency and reduce risk by obtaining more predictable results.

Key words: innovations, investment multiplier, investment accelerator, economic development, innovative products, ordinary products, economic security.

The reported study was funded by RFBR according to the research project № 16–02–00658–OIH/18

References

1. *Glagolev S.N. Doroshenko Yu.A., Moiseev V.V.* Actual problems of investment and innovation in modern Russia. [Aktual'nye problemy investitsij i innovacij v sovremennoj Rossii] Monograph. Moscow, 2014, 425 p. (in Russian).
2. *Miloslavsky I.S.* Novelty with consequences [Novizna s posledstviyami]. Available at: URL: <http://www.izvestia.ru/news/349367> (in Russian).
3. Oslo Guide. Recommendations for the collection and analysis of innovative data. Joint publication by OECD and Eurostat. [Rukovodstvo Oslo. Rekomendacii po sboru i analizu innovacionnyh dannyh. Sovmestnaya publikaciya OEHSR i Evrostata]. 2010, 107 pp. (in Russian).
4. Rosstat. Official statistics. Science and Innovation [Rosstat. Oficial'naya statistika. Nauka i innovacii]. Available at: URL: http://www.gks.ru/wps/wcm/connect/rosstat_main/rosstat/ru/statistics/science/# (in Russian).
5. Ministry of Economic Development of the Russian Federation. National Report on Innovations in Russia 2017 [Ministerstvo ehkonomicheskogo razvitiya Rossijskoj Federacii. Nacional'nyj doklad ob innovacijah v Rossii 2017]. Available at: URL: http://www.rvc.ru/upload/iblock/c64/RVK_innovation_2017.pdf (in Russian).
6. Rosstat. Official statistics. Expenses for technological (product, process) innovations of organizations [Rosstat. Oficial'naya statistika. Zatraty na tekhnologicheskie (produktovye, processnye) innovacii organizacij] Available at: http://www.gks.ru/free_doc/new_site/business/nauka/innov-n5.xls (in Russian).
7. *Eremin V.V.* Analysis of the mechanism of interaction between the multiplier and the accelerator of investments as a process in the series of dynamics [Analiz mekhanizma vzaimodejstviya mul'tiplikatora i akseleratora investitsij kak processa v ryadah dinamiki]. *Ehkonomika. Predprinimatel'stvo. Okruzhayushchaya sreda.*— Economy. Entrepreneurship. Environment. 2014, № 4 (60), p. 26–33.
8. *Eremin V.V.* Mathematical analysis of the multiplier of autonomous costs in statics and dynamics. [Matematicheskij analiz mul'tiplikatora avtonomnyh raskhodov v statike i dinamike]. Monograph. Ufa, 2015, 172 p. (in Russian).
9. *Sukhenko A.V. Semenova E.N.* "Dutch disease" of the Russian economy and the specificity of its manifestation [«Gollandskaya bolezn'» rossijskoj ehkonomiki i specifika ee proyavleniya]. *Studencheskaya nauka XXI veka* — Student science of the XXI century. 2015, p. 379–383.
10. *Roger W. Spencer & William P. Yohe*, 1970. «The «Crowding Out» of Private Expenditures by Fiscal Policy Actions», *Federal Reserve Bank of St. Louis Review*, October, P. 12–24.
11. *Gorshkov A.P.* Multiplier effects induced by the private sector in the production of innovative products [Mul'tiplikacionnye ehffekty, inducirovannye chastnym sektorom pri proizvodstve innovacionnoj produkcii]. *Vestnik Permskogo nacional'nogo issledovatel'skogo politekhnicheskogo universiteta* — Bulletin of the Perm National Research Polytechnic University. 2018, № 2, p. 156–165.

Received for publication on 30.10.2018

ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

**IDENTIFICATION OF THE FUNCTIONAL ROLE OF INSTITUTIONS FORMING
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The article presents the results of the development of the problem of identifying the impact of institutions of different nature on the structural organization of the economic space of the regions of the South of Russia, identifying their functional roles and positions in this formative process.

Key words: economic space of a region, structural organization, typological signs, morphology, shaping, economic framework of a region, social and economic structure, technological structure.

Received for publication on 15.10.2018

**IMPORT SUBSTITUTION: FOREIGN EXPERIENCE AND ITS ADAPTATION
TO RUSSIAN CONDITIONS**© 2018 **Denisenko Vladislav Yurievich**

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At a certain stage of development of the state, further economic growth is impossible without the policy of import substitution. Understanding of the current policy of import substitution and its consideration is a topical issue for each country. Thanks to a competent approach and restructuring of enterprises, it is possible to achieve economic growth of the industrial complex and, in General, stability for the country's

economy. Therefore, it is necessary to consider the experience of other countries, analyzing their positive and negative sides, in order to further determine the features of the implementation of the import substitution strategy and the possibility of applying foreign experience.

Key words: import substitution, restructuring, enterprises, industry.

Received for publication on 30.10.2018

MODELING THE EFFECTIVENESS OF HIGH-TECH ENTERPRISES OF HIGH-TECH COMPLEX OF THE RUSSIAN FEDERATION

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The paper deals with the problem of modeling of efficiency in Russian high-tech enterprises. The model allowing the elaboration of interdependence between cognitive production factors and efficiency of a high-tech enterprise is presented. It is shown that among the variety of production function it is better to use the logistic production function as it reflects the qualitative changes in innovation development of high-tech enterprises. The results of test and empiric data modeling are presented and the economic interpretation is given.

Key words: scientific intensive enterprises, high-technology complex, logistic production function, cognitive production factors, industrial economics, industrial organization, innovation management.

References

1. Bell D. Gryadushchee postindustrial'noe obshchestvo: opyt sotsial'nogo prognozirovaniya. M.: Academia, 1999. 640 s.
2. Belov M.V., Novikov D.A. Kompleksnaya metodologiya deyatelnosti. M. Lenand, 2018. — 320 s.
3. Formalaev V., Reviznikov D. Chislennye metody. FIZMATLIT. 2006. 400 s.
4. Gorlacheva E.N. Kognitivnye faktory proizvodstva: postanovka problemy issledovaniya // Vestnik MGOU. Seriya Ekonomika. 2018, № 2, s. 14–20.
5. Gorlacheva E.N. Razrabotka logisticheskoi proizvodstvennoi funktsii naukoemkogo predpriyatiya // Innovatsii v menedzhmente. 2018. № 2. S.15–18.
6. Kalitkin N.N. Chislennye metody. Nauka. 1978. 512 s.
7. Kleiner G.B. Proizvodstvennye funktsii. M. Finansy i statistika. 1986. 239 s.
8. Kleiner G.B., Rybachuk M.A. Sistemnaya sbalansirovannost' ekonomiki. M.: Iz-vo «Nauchnaya biblioteka». 2017–320 s.
9. Nizhegorodtsev R.M. Logisticheskoe modelirovanie ekonomicheskoi dinamiki (ch.1) // Problemy upravleniya. 2004. S.46–53.
10. Petukhov N.A., Arkhipova M. Yu., Nizhegorodtsev R.M. Faktory ekonomicheskogo rosta regionov: regressionno-klasternyi analiz: Nauchnaya monografiya. Khar'kov: ID «INZhEK», 2009. — 416 s.

Received for publication on 30.10.2018

NUMERICAL STUDY OF THE PROBLEM OF AGREED PROJECT MANAGEMENT ON THE DEVELOPMENT OF NEW PRODUCTS

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The paper considers the task of managing a project for the development of new products at an industrial enterprise. In the process of mastering new products, the effect of training is manifested, which is that the time spent by workers on the implementation of repetitive tasks decreases, which leads to a dynamic change in the economic indicators of production. The project for the development of new products is considered as a managed hierarchical dynamic system consisting of the project management and teams of performers. To solve the problem, the principle of cost recovery is applied, which divides the original task into tasks of coordinated incentives and coordinated planning. The task of coordinated planning is mathematically formalized as an optimal process control problem in discrete time. Numerical solutions are obtained for coordinated planning problems for various learning curves models using the Bellman dynamic programming method. Based on a numerical study, recommendations have been formulated on the choice of incentive functions and planned trajectories of production volumes

Key words: learning curve models, agreed incentive tasks, agreed planning tasks

Received for publication on 30.10.2018

MODERN STRUCTURE ELECTRIC POWER MARKET OF RUSSIA

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The article presents an overview of the current structure of the electricity markets. The wholesale and retail markets of electric energy and power are considered, and also the market of thermal energy is described. Analyzed the WECM sector, subjects and market infrastructure.

Key words: wholesale electricity and capacity market, retail electricity market, heat market, day-ahead market, energy pricing.

Received for publication on 30.10.2018

FORMATION OF THE METHODOLOGY OF RISK ASSESSMENT OF THE BANKRUPTCY OF ENTERPRISES OF THE MINERAL-RAW SECTOR

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Mineral resource industry is one of the key sectors of the Russian economy, so the assessment of the risk of bankruptcy of the mining enterprises is a priority in the development strategy of the country. In the study, in accordance with the goal, an improved methodology for assessing the risk of bankruptcy of enterprises of the mineral resource complex was proposed. The peculiarity of the developed method is the consideration of specific factors inherent in the industry, namely, the inventory level, the term of the license for mining, geological risks and other indicators. The methodology was tested at the gold and coal enterprises, the results of evaluation of which indicate the adequacy of the proposed method.

Keywords: bankruptcy, methodology, mineral sector, geological risk, reserves, license.

Reference

1. *Doncova L.V., Nikifrova N.A.* Analiz finansovoj otchetnosti: uchebnik. — 5-e izd., pererab. i dop. — M.: Delo i Servis, 2009.
2. *Glushhenko V.V., Fursova V.A.* Upravlenie finansovymi riskami v kommercheskih bankah Ukrainy: monografija. H.: Hark. Nac. Un-t im. V.N. Karazina. 2007. — 275 s.
3. Godovoj otchet OAO «Rudnik Karal'veem». URL: <http://www.goldpro.ru/wp-content/uploads/2017Otchet.pdf>.
4. Informacionnaja baza «Spark». Finansovaja otchetnost' OAO «Rudnik Karal'veem». URL: <http://www.spark-interfax.ru>.
5. Informacionnaja baza «Spark». Finansovaja otchetnost' OAO «Shahta «Zarechnaja». URL: <http://www.spark-interfax.ru>.
6. *Karanina E.V.* Formirovanie innovacionnoj metodiki kompleksnoj ocenki riskov finansovogo sostojanija // Kreativnaja jekonomika. — 2010. — Tom 4. — № 4. — S. 41–48.
7. *Ljutjagin D.V., Moreva E.N.* Issledovanie zarubezhnyh i otechestvennyh metodik ocenki riska bankrotstva predprijatija // Finansovaja jekonomika. 2018. № 6. S.1313–1317.
8. Postanovlenie Pravitel'stva RF ot 25.06.2003 № 367 « Ob utverzhdenii Pravil provedenija arbitrazhnym upravljajushhim finansovogo analiza. URL: <http://ppt.ru/docs/postanovlenie/pravitelstvo/n-367-11067>.
9. Strategija razvitija mineral'no-syr'evoj bazy Rossijskoj Federacii do 2030 goda. URL: <http://www.mineral.ru/Analytics/rutrend/168/557/index.html>

Received for publication on 15.10.2018

STRATEGIC GUIDELINES FOR THE DEVELOPMENT OF THE GRAIN PRODUCT SUBCOMPLEX OF THE RUSSIAN FEDERATION *

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* The article was prepared with the financial support of the Russian Foundation for Basic Research in the framework of the research project No. 18–310–00211

The article deals with the sustainable development of the grain product subcomplex of the agro-industrial complex. The study studies the State Program of the Russian Federation “Agricultural Development and Regulation of Agricultural Products, Raw Materials and Food Markets for 2013–2020”, which presents indicators of the development of the grain-producing subcomplex and the amount of subsidies aimed at supporting its implementation.

Key words: grain production subcomplex, grain farming, food security, financing, indicators of strategic development of grain production subcomplex.

Received for publication on 30.10.2018

KEY FEATURES OF THE GAS TRANSPORT MANAGEMENT AND THEIR CLASSIFICATION

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The paper discusses the features of the gas transmission system management based on the services concept analysis, their classification and the place of gas transportation services in this field. Gas delivery transportation service through the pipeline is inseparable from the product itself — gas. Another feature of gas transportation service is the need to ensure a certain quality of the good. That is why the gas transportation service can be called a commodity service. The article provides a definition of this concept, its features, as well as the impact on the existing industry standards.

Key words: gas transportation services, commodity services, service management, service classification, pipeline transportation, gas transportation.

Received for publication on 30.10.2018

ECONOMIC ASPECTS OF CORPORATE INTEGRATION OF DIVISIONS OF A HIGHER EDUCATIONAL INSTITUTION FOR IMPROVEMENT OF QUALITY OF EDUCATIONAL PROCESS

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The article is devoted to economic aspects of corporate integration in higher educational institutions divisions for improvement of educational process quality.

An object of a research is higher educational institutions divisions, and the subject is economic aspects of their corporate integration. Theoretical and methodological values of a research are included into modernizations of methodical base of economically reasonable integration of a higher educational institution, and practical are in quality improvement of educational process in higher educational institutions in the Russian Federation.

Key words: economic aspects, economy, corporate integration, higher educational institutions, divisions, educational process, quality of education.

References

1. *Goldobina M. V., Podbornova E.S.* Razvitie kachestva obrazovatel'nogo processa vuza [Development of quality of educational process of higher education institution] / M.V. Goldobina, E.S. Podbornova / Vestnik Samarskogo gosudarstvennogo universiteta. — 2015. — ¹ 8. — S. 9–16.
2. *Zhuravleva, Yu.A.* Vysshee obrazovanie rossiyan kak faktor gotovnosti k innovacionnym preobrazovaniyam: regional'nyi aspekt [The higher education of Russians as factor of readiness for innovative transformations: regional aspect] / Yu.A. Zhuravleva // Ekonomicheskie nauki — Moskva: Izd-vo OOO «24-Print», 2013. — ¹ 11. — S.129–133.
3. *Ivanchenko I.V.* Problema povysheniya kachestva obrazovaniya v vuze [Problem of improvement of quality of education in higher education institution] / I.V. Ivanchenko / Molodoi uchenyi. — 2016. — ¹ 5.1. — S. 18–21.
4. *Mammen K. J.* (2006). Academics' perception of 'quality in higher education', and quality strategies. South African Journal of Higher Education, 20(5): 639–654
5. *Zajda, J.* (1994). Defining excellence and quality in education. New Education, 16(2), 53–61.
6. Zhurnal «Voprosy obrazovaniya» [Elektronnyi resurs]: analiticheskie materialy — Oficial'nyi sait zhurnala «Voprosy obrazovaniya», 2018. — Rezhim dostupa: <http://vo.hse.ru/>

Received for publication on 15.10.2018

FINANCE, MONEY CIRCULATION AND CREDIT

**INDICATORS OF THE MODEL OF FINANCIAL SUSTAINABILITY
OF MUNICIPALITIES IN THE RUSSIAN FEDERATION**

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The article is devoted to the analysis of indicators for the formation of the model of financial stability of municipalities in the Russian Federation as the main mechanism for improving the balance of local budgets and improving the standard of living in the municipalities of the Russian Federation.

Key words: financial sustainability, balance, municipality, local budget.

Received for publication on 15.10.2018

BOOK KEEPING, STATISTICS

**THE CONDITIONS OF COST OPTIMIZATION OF ENTERPRISE RESOURCES
WITH THE EXPECTATION OF THE SYNERGY EFFECT**

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The article deals with the conditions of achieving the synergy effect in the process of using the resource potential of the enterprise, the method of calculation. The dynamic criterion of estimation of efficiency of use of resource potential is proved. It is concluded that the conditions of optimization of costs of resources of the enterprise do not contribute to the growth of efficiency of use of resource potential, calculations are presented.

Key words: cost optimization, resource cost effect, resource efficiency effect, synergy effect.

Received for publication on 30.10.2018

WORLD ECONOMY

DEVELOPMENT OF HICKS-HANSEN THEORY FOR NATIONAL ECONOMY ON THE EXAMPLE OF THE RUSSIAN SEGMENT OF GLOBAL FINANCE

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The article develops the theory of functioning of national economy on the basis of Hicks-Hansen model IS-LM. The new principle model of four markets is offered. It included a national segment of global finance which became a part of the international markets of real and financial assets. Cash flows from export revenue, loans, issues, investment interest and not interest income became subject of the analysis. Passing through forex, they unite to internal flows of the money supply. The reverse flow of money, financial transfers registered in the current account balance and adjusted by an exchange rate. A subject of the analysis became entering the country and outgoing flows correcting their size exchange rates, effects of an external factor on money supply and the volume of investment.

The authors consider the influence of the price of money, the current account balance, rates of economic growth, monetary policy parameters on an exchange rate. It is developed the mathematical model of forecasting of an exchange rate including the external economic factors of the flows of items, money and the debt capital.

Key words: modification of Hicks-Hansen model, model of four markets, national finance, global finance, foreign exchange rate, money market, debt capital market, mathematical modeling of exchange rate.

References

1. *Borisov, A.N.* Valutnaya integraciya kak odna iz osnovnykh tendency razvitiya mirovoi valutnoy sistemi na sovremennom etape /A.N. Borisov //Economic Sciences, 2012, vol.92. — P. 171–179. (In Russian)
2. *Bulleten bankovskoi statistiki Banka Rossii.* — <https://www.cbr.ru>. (accessed: 01.09.2018). (In Russian)
3. For the maximum purity of calculations, it is necessary to be guided not just by a nominal exchange rate, and to consider a real effective exchange rate (BIS real effective exchange rate (CPI-base 2010, monthly average) calculated at exchange rates of the countries of the main trade and economic partners and devaluated on inflation. In more detail see the tables BIS REER on 61 currencies of the world since 1994 until the present in: <http://www.bis.org/statistics>.
4. *Rosstat.* — <https://www.gks.ru>. (accessed: 01.09.2018). (In Russian)
5. *Hicks, J., Allen, R.* A Reconsideration of the Theory of Value, 1934. // *Vehi ekonomicheskoi mysli. Vol. 1. Teoria potrebleniya i sprosa /pod redaksiey V.M. Galperina.* — SPb.: *Economicheskaya shkola*, 2000. — P.117–141. (380 p.) (In Russian)
6. *Hicks, J.* Capital and growth, 1965/// *Vehi ekonomicheskoi mysli. Vol. 6. Mejdunarodnaya ekonomika /pod redaksiey A.P. Kireeva.* — M.: *TEIS*, 2006. — P.488–503. (720 p.) (In Russian)
7. *Hicks, J.* Value and Capital, 1939. — M.: *Progress*, 1993. — 488 p. (In Russian)
8. *Hicks, J.* A Theory of Economic History, 1969. — M., 2003. — 224 p. (In Russian)
9. *Kireev, A.P.* Mejdunarodnaya ekonomika /A.P. Kireev. Vol. 1. M.: *Mejdunarodnye otnosheniya*, 2002. — P.309. (In Russian)

10. Pokazateli mirovovo razvitiya. Indikator eksport/VVP,%, 2006–2017. http://data.trendeconomy.ru/dataviewer/wb/wbd/wdi?ref_area=RUS&series=NE_EXP_GNFS_ZS. (accessed: 04.12.2018). (In Russian).
11. Vneshnyay trgovlay Rossii v 2017.— <http://russian-trade.com/reports-and-reviews/2018-03/vneshnyaya-torgovlya-rossii-v-2017-godu/>. (accessed: 04.12.2018). (In Russian)
12. BRICS Joint Statistical Publication: 2015; Brazil, Russia, India, China, South Africa / Rosstat.— Moscow: Statistics of Russia, 2015.— 235 p.
13. Current account balance, 2018, U.S. dollars.— <https://www.imf.org/external/datamapper/BCA@WEO/ADVEC/WEOWORLD/EURO> (accessed: 04.12.2018).
14. *Filardo, Andrew, Siklos, Pierre*. The cross-border credit channel and lending standards surveys.— BIS Working Papers. N723. 09 May 2018.
15. Finance & Development (F&D) Issues, 2016–2018: — <http://www.imf.org/external/pubs/ft/fandd/fda.htm> (accessed: 28.05.2018).
16. *Güneş Kamber and Madhusudan Mohanty*. Do interest rates play a major role in monetary policy transmission in China? // BIS Working Papers. No 714. 06 Apr 2018.
17. *Hansen, Alvin Harvey*. Monetary Theory and fiscal policy.— N.Y.: McGraw, 1949.
18. *Hayes, Mark*. The Economics of Keynes: A New Guide to the General Theory.— Edward Elgar Publishing, 2008.— 257 p.
19. *Hicks, John Richard*. Mr Keynes and the Classics: A Suggested Interpretation, 1937.
20. *Hicks, John*. IS-LM: An explanation.— Journal of Post Keynesian Economics.— 1980. № Vol III. No.2.— P. 152.
21. *Keynes, John Maynard*. The general theory of employment, interest & money / John Maynard Keynes.— Moscow: Urait, 2018.— 342 p.
22. *Menna Lorenzo, Tobal Martin*. Financial and price stability in emerging markets: the role of the interest rate.— BIS Working Papers. No 717. 04 May 2018.
23. Russia in figures. 2018: annual statistical report.— Moscow: Rosstat, 2018.— 522 p.
24. Russian statistical yearbook. 2017.— Moscow: Rosstat, 2017.— 686 p.
25. Russian and countries. 2016: statistical yearbook / Rosstat.— Moscow, 2016.— 379 p.
26. *Sheehan, Brendan*. Understanding Keynes' General Theory.— Palgrave Macmillan, 2009.— 272 p.
27. The price, real and financial effects of exchange rates.— BIS Papers. No 96. 28 Mar 2018.
28. Topics of BIS Working Papers, 2017–2018. <https://www.bis.org/list/research/index.htm> (accessed: 26.05.2018)
29. <http://www.baumanrarebooks.com/rare-books/keynes-john/81560.aspx>.
30. <http://ecsocman.hse.ru/data/367/700/1219/009Hiks.pdf>.

Received for publication on 30.10.2018

THE WORLD MARKET OF ELECTRICAL PRODUCTS: AN OVERVIEW OF CURRENT TRENDS

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The rapid development of the global electrical industry under globalization and mergers & acquisitions determines the relevance of the research topic.

The complex economic situation makes companies pay special attention to foreign economic activity, competition, search for new markets and effective management strategies. As a global phenomenon in economy and politics, the development of the electrical industry is getting accelerated with the improvement of standardization, unification and legal basis for the production of electrical engineering.

The dynamics and context of the power engineering world market are analyzed, the countries and leading companies are identified, the factors of their functioning under current conditions are structured; the enterprises activities' trends are discussed; the problems and prospects of the world market of electrical engineering are studied.

Key words: electrical industry, energy sector, globalization, integration, conglomerates, leaders of electrical engineering market, standardization, International Electrotechnical Commission (IEC), trends of the market development.

Received for publication on 01.10.2018