

<i>Name, academic position and degree</i>
Iliyan Ivanov Petrov, associated professor, PhD
<i>Affiliation – research organization, department</i>
Institute of Information and Communication Technologies – BAS Department of Information Processes and Decision Support Systems
<i>Education</i>
<ul style="list-style-type: none"> • Russian State University for oil and gas "I.M. Gubkin", Moscow, Russia, 2015 - PhD. • MIGMO, Moscow, Russia, 1985 - specialty "International Economic Relations", Master of Economics • UNWE, Sofia, 1999 - specialty "Law", Master of Law
<i>Academic positions in the last five years</i>
2019 – senior professor assistant, IICT-BAS 2011-2015 – research fellow, Russian State University for oil and gas "I.M. Gubkin", Moscow, Russia
<i>Main research area and subareas</i>
Information theory; Entropy and hierarchy of dynamic systems; Concentration and competition in economic and social systems; Group decision-making; Regulation of monopoly and oligopoly structures; System analysis; Process modeling and management ;Operations research; Systems Risk and security analysis of systems in the field of energy, services, finance
<i>Additional research areas and subareas</i>
Support and optimization information processing systems and decision making
<i>Specializations abroad and international collaborations</i>
<ul style="list-style-type: none"> • Institute of the International Bank for Reconstruction and Development, Financial Decentralization of Local Authorities, Budapest, Hungary, 20-31 August 2000. • University of Lorraine, Nancy, France, Sept. 1991 – August 1992 - specialty "Money and Finance".
<i>Scientific awards and membership in scientific societies</i>
none

<i>Name, used in publications in foreign language: Iliyan Petrov</i>
<i>H index (according to Scopus or Web of Science): 0</i>
<i>Internet address with list of scientific publications (ResearcherID, Research gate, etc.):</i> http://www.ips.iit.bas.bg/i-petrov.html
<i>Total number of scientific publications: 11</i>
<i>From them with impact factor or impact rang: 0</i>
<i>Number of citations of the scientific publications: 0</i>

Number of scientific publications in the last five years: 0

From them with impact factor or impact rang: 0

Number of citations of the scientific publications in the last five years: 0

Selected scientific publications in the field of the research project

1. Petrov. I.I., Information theory with new vision on hierarchy and evolution in dynamic systems, International conference " BGSIAM'19 / 14th Annual Meeting of the Bulgarian Section of SIAM, December 17-19, 2019, Sofia, Bulgaria
2. Petrov I.I. On structural entropy and concentration analysis of industrial and market systems. International Conference Big data, Knowledge and Control Systems Engineering, Sofia, Bulgaria, 1-2 December 2017.
3. Dimitrov M., Petrov I.I., Perennial fundamental study of economic reforms contemporary Russia (review of the monograph of Prof. LV Livshitz "Systemic analysis of the market reform of the non-stationary economy of Russia: 1992 -2013 "). Journal Economic Thought, Institute for Economic Studies, Bulgarian Academy of Science, ISSN 0013-2993, 5/2016, pp. 149-151.
- 4 Petrov I.I. Improving analysis and classification of market structures with innovative Phase-Structure States Concept and Set Concentration Index. Journal Economic Alternative, University for national and Word Economy, Sofia, ISSN 1312-7462 1/2016, pp. 5-15.
5. Petrov I.I., Milovidov K.N. Phase-logistic model for measuring and assessing concentration and categorization of market structures (using the example of world energy markets). Journal "Oil, Gas and Business," No. 2, 2014, p. 42-49.
6. Petrov I.I. Southern Gas Corridor - evolution of strategies and the competition of projects in period of crisis and recession. Journal "Pipeline transport", No. 4 (32), 2012, pp. 44-53.
7. Petrov I.I. Competition of projects in the Southern Gas Corridor and the lessons of Nabucco. Journal "Pipeline Transportation", No. 5 (33), 2012, pp. 48-55.
8. Petrov I.I. New approach in analysis of market diversification and energy security with balanced concentration index. Journal Oil & Gas Eurasia, No. 4, 2013, pp. 32-35 (text Russian and English).
9. Petrov I.I. New approach in analysis of market diversification and energy security - Diversification of structures in national energy balances - World and the EU. Journal. „Oil & Gas Eurasia“, No. 5, 2013, pp. 35-38 (text in Russian and English).
10. Petrov I.I. New approach in analysis of market diversification and energy security. The impact of Renewable Energies on diversification EU energy balances on the example of Bulgaria. Journal „Oil & Gas Eurasia“, No. 6, 2013, pp. 48-56 (text in Russian and English).
11. Petrov I.I. Natural gas on the shelf of the Black Sea - illusion or reality for EU. Journal. „Oil & Gas Eurasia“, No. 7, pp. 28-34 (text in Russian and English).