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THE SPACE OF DISCOURSE: DIGITALIZATION AND SECURITY

THE IMPACT OF DIGITALIZATION ON SECURITY: FROM THE INDIVIDUAL UNTIL SOCIETY

Polozhikhina Maria

PhD (Geogr. Sci.), Leading Researcher of the Department of Economics, Institute of Scientific Information for Social Sciences, Russian Academy of Sciences (Moscow, Russia)

Abstract. Security threats caused by the spread of new information and communication technologies and the process of digitalization are analyzed. The author emphasizes the systemic impact of new technologies on social development and the importance of determining the consequences for creating a general theory of security.

Keywords: security; digitalization; risks of digitalization; ensuring digital security.

For citation: Polozhikhina M.A. The impact of digitalization on security: from the individual until society // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 9–27.

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SUSTAINABLE DEVELOPMENT IN THE FACE OF NEW CHALLENGES

Strizhov Stanislav

DrS (Soc. Sci.), Head of the Center for strategic social and socio-political research of the Institute of social and political research RAS (Moscow, Russia).

Abstract. The article is devoted to the actual problem of ensuring sustainable development of the Russian Federation in the face of new challenges. The situation in the country related to the response to

the COVID-2019 coronavirus pandemic is considered, and the role of digital technologies in mitigating its impact on society is analyzed. It is suggested that the changes caused by the pandemic lead to the need to review certain priorities within the framework of the global goals and targets for sustainable development.

Keywords: sustainable development; sustainable development goals; digitalization; coronavirus pandemic; health system.

For citation: Strizhov S.A. Sustainable development in the face of new challenges// Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 28–36.

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THE DIGITALIZATION AND SECURITY: PROBLEMS AND SOLUTIONS

Levashov Viktor

DrS (Soc. Sci.), Head of the Center for strategic social and socio-political research of the Institute of social and political research RAS (Moscow, Russia),

Sarian Viliam

DrS (Tech. Sci.), Academician of NAS RA, Professor MIPT, Professor of MTUCI (Armenia, Russia)

Abstract. *The rapid development of the infocommunication environment raises issues of sustainable functioning of national information systems and management, and human security. Using a specific example, proves the need to administer information and communication services based on sociotechnological standards and regulations.*

Keywords: digitalization; reliability of information; mass media; information service; administration of information services.

For citation: Levashov V.K., Sarian V.K. The digitalization and security: problems and solutions // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 37–46.

URL: <https://sns-journal.ru/>

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ABOUT THE ROLE OF SCIENTIFIC RESEARCH AS PART OF THE DIGITAL TRANSFORMATION OF SOCIETY

Zatsarinnyy Alexander

DrS (Teh. Sci.), Associate Director of the Federal Research Center «Computer and Control» of the Russian Academy of Sciences, Member of the scientific Council of the Presidium of the Russian Academy of Sciences on fundamental problems of communication with deep-submerged objects (Moscow, Russia).

Abstract. The article discusses the following problems of digital transformation of society: a non-systematic approach to strategic planning and the lack of demand for the activities of scientific organizations. A brief description of the results of scientific research in the direction of “digitalization of society” is given. The role of information technologies in the fight against the coronavirus epidemic is shown and suggestions for their development are given.

Keywords: digital transformation; strategic planning; scientific research; information technology; coronavirus.

For citation: Zatsarinnyy A.A. About the role of scientific research as part of the digital transformation of society // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 47–59.

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POINT OF VIEW

INTERNATIONAL REGULATION OF CYBERSPACE: IS EFFECTIVE MUTUAL UNDERSTANDING POSSIBLE?

Korovkin Vladimir

Head of Innovation and digital technologies, Professor of business practice at the Moscow school of management SKOLKOVO (Moscow, Russia)

Abstract. The key challenge for effective legal regulation of cyberspace is its architectural cross-border nature. The purpose of this article is to analyze the contradictions between the positions of the main countries participating in the discussions on international regulation of cyberspace. Due to the low probability of achieving a broad international consensus in the field of cyber law in the foreseeable future, the regionalization of cyberspace is predicted, with the creation of unions based on mutual trust of participants and unity of views on the principles of cyber regulation.

Keywords: digitalization; cyberspace; cyber regulation; international cyber security.

For citation: Korovkin V.V. International regulation of cyber space: is effective mutual understanding possible? // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 60–76.

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INFORMATION SECURITY IN THE FINANCIAL SECTOR: CYBERCRIME AND COUNTERACTION STRATEGY

Semeko Galina

PhD (Econ. Sci.), Leading Researcher of the Department of Economics, Institute of Scientific Information for Social Sciences, Russian Academy of Sciences (Moscow, Russia)

Abstract. The problems of ensuring information security of financial organizations in the world and Russia are considered in the context of the development of digital financial technologies. The article ana-

lyzes the economic damages caused by illegal actions of hackers for individual financial organizations and the financial system as a whole, the main tools of cyberattacks, the dynamics and features of information security incidents in Russia. The security level of the information infrastructure and the main vulnerabilities and shortcomings of financial organizations' security systems are identified. The Bank of Russia's information security policy, its key goals and areas of action are shown.

Keywords: *information security; information threats; financial sector; cybercrime; Bank of Russia's information security policy.*

For citation: Semeko G.V. Information security in the financial sector: cybercrime and counteraction strategy // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 77–96.

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EUROPEAN E-PROCUREMENT ONTOLOGIES AND PROJECTS

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Klimov Alexander

PhD (Tech. Sci.), Rector for Russian University of transport RUT (MIIT) (Moscow, Russia),

Pokusaev Oleg

PhD (Tech. Sci.), Director for the Center for digital high-speed transport systems RUT (MIIT) (Moscow, Russia)

Abstract. *In modern conditions, financing of the innovative development sector, as well as the implementation of large-scale innovative projects, is impossible without the participation of the state. One of the most effective instruments of state support is public procurement. This article is devoted to the analysis of the EU experience in the use of modern digital technologies, including the field of public procurement.*

Keywords: *digitalization; digital economy; building information modeling; public e-procurement.*

For citation: Kupriyanovsky V.P., Klimov A.A., Pokusaev O.N. European e-procurement ontologies and projects // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 97–106.

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MENTAL SECURITY IN THE DIGITAL AGE

Korovnikova Natalia

PhD (Polit. Sci.), Senior Researcher, Department of Economics, Institute of Scientific Information for Social Sciences, Russian Academy of Sciences (Moscow, Russia)

Abstract. *The article reveals ideas about the mental space, as well as threats to its functioning and development in the conditions of digitalization. The interaction of mental and educational spaces is shown. The article describes the relationship between mental, educational and national security in the context of the transition to the digital age.*

Keywords: *mental space; educational space; security; digitalization.*

For citation: Korovnikova N.A. Mental security in the digital age // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 107–118.

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THE LEGAL LEVERAGE OF BIOSECURITY

Kartskhiya Alexander

DrS (Law Sci.), Professor of the Department of civil law Gubkin State University of Oil and Gas (Moscow, Russia)

Abstract. *The new technological environment created by digital technologies makes it possible to make breakthrough discoveries in all scientific fields, but especially in biological disciplines. On the one hand, this gives hope for solving many problems, ranging from the treatment of complex diseases to the areas of energy and waste disposal. On the other hand, bioengineering technologies carry serious threats*

and risks. The article examines the emerging legal mechanisms in the field of biological security and legal aspects of preventing biological threats in the modern world at the national and international level. The author concludes that it is necessary to improve national legislation and the importance of international cooperation in this area.

Keywords: *digitization; biotechnology; biological safety; biological protection; international cooperation; coronavirus.*

For citation: Kartskhiya A.A. The legal leverage of biosecurity // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 119–127.

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MAN IN THE DIGITAL WORLD

NEW CONTROL AND MONITORING SYSTEMS

Petrov Alexander

DrS (Econ. Sci.), Prof., Moscow State Law University named after O.E. Kutafin (Moscow, Russia)

Abstract. *The development of digital technologies has accelerated the development and application of new systems for monitoring and controlling the population. There are already scoring systems in the banking sector. The digital profile system for individuals and legal entities in Russia is being launched. How it will be used depends on the decision makers and those who operates the system. But the main carrier of information about yourself remains the person.*

Keywords: monitoring systems; scoring; digital profile; security of digital technologies.

For citation: Petrov A.A. New control and monitoring systems // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 128–142.

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SMART DEVICES, CYBER INSURANCE, AND DATA LEAKS: NEW CHALLENGES AND NEW SOLUTIONS

Ivanova Angelina

Senior technician of the Department of Law, Institute of Scientific Information for Social Sciences, Russian Academy of Sciences (Moscow, Russia)

Abstract. *Almost universal contacts of people with «smart» devices expose users' personal data to a variety of new threats. In order to cope with information risks, companies have started to purchase cyber*

insurance policies. In addition, it seems appropriate to introduce a unique individual identifier based on blockchain technology and/or biometric data.

Keyword: *Internet of things; information security; personal data; cyber insurance; blockchain.*

For citation: Ivanova A. Smart devices, cyber insurance, and data leaks: new challenges and new solutions // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 143–148.

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CYBERBULLYING: CAUSES AND PREVENTION METHODS

Kodaneva Svetlana

PhD (Law. Sci.), Senior Researcher of the Department of Legal Studies, Institute of Scientific Information for Social Sciences, Russian Academy of Sciences (Moscow, Russia)

Abstract. Digital technologies have become an integral part of our lives, opening up new opportunities, but at the same time, causing new risks. One of the negative phenomena that is becoming more widespread around the world is the formation of an aggressive environment in social networks and on network platforms, where young people spend a significant part of their time. This environment generates such a phenomenon as cyberbullying – the deliberate infliction of mental harm to a victim who is not able to protect himself. This study presents an analysis of factors that provoke children and adolescents to display aggression towards their peers in the virtual world, as well as formulated proposals to prevent this dangerous phenomenon.

Keywords: *digital environment; cyberbullying; cyber-aggression; digital security.*

For citation: Kodaneva S.I. Cyberbullying: causes and prevention methods // Social novelties and Social sciences. – Moscow: INION RAN, 2020. – № 1. – p. 149–159.

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PROFESSIONAL OPINION

DIGITALIZATION AS A SOCIO-CULTURAL INNOVATION IN RUSSIAN SOCIETY

(Review of T.F. Kuznetsova's monograph «Digital society, digital culture and humanitarization of higher education: a thesaurus approach»)

Kostina Anna

DrS (Philos. Sci., Culturology), Professor, Vice Rector – Director of the Institute of fundamental and applied research of Moscow University for the Humanities (Moscow, Russia)

Keywords: *digital environment; digitalization; digital culture; digital economy*

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