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## The supersystem of the digital economy: functioning and development based on the principle of self-organizing integration

*E.L. Loginov, Dr. of Sci. (Econ.), Professor of RAS*

e-mail: *evgenloginov@gmail.com*

*T.A. Shkuta*

e-mail: *saa5333@hotmail.com*

*V.L. Loginova*

e-mail: *urmastermind@yandex.ru*

### Abstract

The problems of the formation of a supersystem of the digital economy using the key business model of the joint use of digital assets by economic agents are analyzed on the basis of the convergence of telematic, computing and information services with the final output of a complex of managed digital objects for a new quality of management based on the principle of self-organizing integration. Integration of standardized network infrastructures using cloud principles that involve distributed and remote processing and storage of data on the basis of interaction and consolidation of corporate network environments of different owners (tenants, etc.) of digital assets allows to transform traditional linear hierarchical chains of management transactions into connected, intelligent, scalable, customizable and distributed management networks. The introduction of universal shells of any business processes, starting with the processing of primary data prior to processing in the deep region, using advanced algorithms of multi-agent optimization of the next [after 3G] generation [based on 4G, 5G and further] realized in the framework of electronic micro-, meso- and macro content allows to ensure the stability of the super-system within the limits of the optimal values of the activity of the controlled digital objects due to the increase in the possibilities of observation and control.

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### About authors

*Evgeny Leonidovich Loginov*, Doctor of Economics, Professor of the RAS, Expert of the RAS, twice winner of the Government Prize in Science and Technology of Russia, Deputy Director of the Market Economy Institute of RAS, Professor of the Department of World Economy and World Finance at the Financial University under the Government of the Russian Federation, Moscow.

*Shkuta Tatyana Alexandrovna*, Leading Specialist, VTB-Germany Bank, Moscow.

*Loginova Valeria Evgenievna*, Junior Researcher, Market Economy Institute of RAS, Moscow.