
Cyborgization: philosophical aspects of the man and technology symbiosis study

© T.P. Malkova

Bauman Moscow State Technical University, Moscow, 105005, Russia

The article considers cybernetic revolution and the cyborgization process, analyses the man and technology symbiosis as well as artificial intelligence using possibilities and prospects in the modern technical reality conditions. The investigation covers philosophical aspects of the cyborgization phenomenon, components, difficulties and prospects for the phenomenon development. The author offers practical recommendations on control and technical innovations use.

Keywords: cybernetic revolution, cyborgization, cyborg, artificial intelligence, technical reality, transhumanism, posthuman, technological breakthrough

REFERENCES

- [1] Grinin L.E., Grinin A.L. *Istoricheskaya psikhologiya i sotsiologiya istorii — Historical Psychology and Sociology*, 2015, vol. 8, no. 1, pp. 172–197.
 - [2] Rossiyskie kibervoyska — v pyaterke luchshikh [The Russian cybertroops are in top five]. *Moskovskiy Komsomolets — Moscow Komsomolets*, 2017, no. 27296, p. 2.
 - [3] Lem St. *V zashchitu mira — In defense of the World*, 1960, no. 3, pp. 57–62.
 - [4] khostov A.Sh. *Vestnik Moskovskogo Universiteta. Seriya 14 — Psikhologiya — Moscow University Psychology Bulletin*, 1994, no. 2, pp. 3–13.
 - [5] Antipov M.A., Koldomasov A.S. *Sotsiosfera — Sociosphere*, 2010, no. 4, pp. 34–36.
 - [6] Mamardashvili M. *Voprosy Filosofii — Russian Studies in Philosophy*, 1989, no. 7, pp. 112–118.
 - [7] Malkova T.P. *Istoricheskie, filosofskie, politicheskie i yuridicheskie nauki, kulturologiya i iskusstvovedenie. Voprosy teorii i praktiki — Historical, Philosophical, Political and Law Sciences, Culturology and Study of Art. Issues of Theory and Practice*, 2016, no. 5, pp. 122–128.
 - [8] Ivanov A. *Komyuniti [Community]*. Moscow, Azbuka-Attikus Publ., 2012, 320 p.
 - [9] Pelevin V. *Lyubov k trem tsukerbrinam [Love for three zuckerbrins]*. Moscow, Eksmo, 2014, 446 p.
 - [10] Kiyosaki R., Lekter Sh. *Bogaty papa, bedny papa [Rich dad, poor dad]*. Moscow, Popurri Publ., 2010, 400 p.
 - [11] Malkova, T.P. *Gumanitarny vestnik — Humanities Bulletin*, 2017, no. 2. Available at: <http://dx.doi.org/10.18698/2306-8477-2017-2-416>
 - [12] Emelin V.A. *Natsionalnyy psikhologicheskii zhurnal — National Psychological Journal*, 2013, no. 1, pp. 62–70.
 - [13] Baudriyar Zh. *Prozrachnost zla [Transparency of Evil]*. Moscow, Dobrosvet Publ., 2000, 401 p.
 - [14] Emelin V.A., Tkhostov A.Sh. *Voprosy Filosofii — Russian Studies in Philosophy*, 2010, no. 5, pp. 84–90.
 - [15] Kurtsveil R. *Evolyuitsiya razuma [Evolution of Reason]*. Moscow, E Publ., 2015, 352 p.
-

-
- [16] Bostrom N. *Iskusstvennyy intellekt. Etapy. Ugrozy. Strategii* [Artificial Intelligence. Stages. Threats. Strategies]. Moscow, Mann, Ivanov, Ferber Publ., 2016, 496 p.
- [17] Lanir J. *Vy ne gadzhet. Manifest* [You are not a gadget. Manifesto]. Moscow, Astrel, CORPUS Publ., 2011, 320 p. [in Russ.].
- [18] Drejfus H. *Chego ne mogut vychislitelnye mashiny* [What computers cannot do]. Moscow, Progress Publ., 1978, 333 p. [in Russ.].
- [19] Azimov A. *Ya, robot*. [I, robot]. Moscow, Eksmo Publ., 2010, 1296 p.
- [20] Turchin A., Batin M. *Futurologiya. XXI vek: bessmertie ili globalnaya katastrofa* [Futurology. XXI century: immortality or global catastrophe]. Moscow, BINOM. Laboratoriya znaniy Publ., 2013, 263 p.
- [21] Grinin L.E., Grinin A.L. *Filosofiya i obshchestvo — Social Studies*, 2016, no. 3, pp. 5–26.
- [22] Volchkevich I.V. *Ocherki istorii Moskovskogo vysshogo tekhnicheskogo uchilishcha* [Essays on the history of Moscow Higher Technical School]. Moscow, BMSTU Publ., 2016, 326 p.

Malkova T.P., Cand. Sc. (Philos.), Assoc. Professor, Department of Philosophy, Bauman Moscow State Technical University. e-mail: t.p.malkova@yandex.ru
