

Analysis of Paradoxical Trends in Artificial Intelligence Development and the Need to Transform Economic Relations from the Position of Hexarchia

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Abstract

Purpose - The rapid development of AI technologies amidst an unstable economy threatens the Greatest Depression and the formation of strong AI. However, the dominance of strong AI contradicts universal human traditions, defined by God's first commandment to man, "To rule on Earth," and the basic principle of Immanuel Kant's Categorical Imperative. And it encourages a shift from binary "yes-no" logic to multivalued logic in the evolutionary process of finding solutions to human-AI interactions. The author believes that the effective development of AI technologies in the interests of humanity is possible through a transition to equitable socioeconomic relations based on heterarchy, with creative competition stipulated within the framework of homeostasis. High efficiency of such a system can be ensured by using an adaptive, High-order, cybernetic, subject-oriented system in the form of a Hexarchy, drawing on both the wise experience of world cultures and optimal horizons for forecasting, planning, and decision-making. AI technologies created within a Hexarchy will work in the interests of both each individual and the universal collective mind.

Method - When analyzing the problems under consideration, the following works were used on: information theory by A.A. Markov, A.N. Kolmogorov, K. Shannon and A. A. Kharkevich; the founder the theory of AI, of cognitive and computer scientist M. Minsky; Evolutionary Epistemology of Karl Popper and Gerhard Vollmer, Post-non-classical science of V.S. Stepin, Philosophical-Methodological Basis for the Formation of high-order cybernetics based on self-developing reflexive-active environments of Professor V.E. Lepskiy. And used the author works: "Tempting Profiles of the Future"; "Socio-Economic Cybernetics Transformation Trends" and "Mandatory Feature and Differences of Intelligences. Waves of Indoctrination".

Results –The existence of the Hexarchy will enhance the effectiveness of AI technologies, acting in the interests of both each individual and the collective mind, creating comfortable conditions for all and quickly responding to emerging conflicts at any level.

Organisation - Trends in AI Development discussed in the report can be used positively by interested organizations.

Society - The transition to a Hexarchy based on a heterarchy with socioeconomic homeostasis, ensuring creative competition among creators through the use of an idea exchange, will avoid the dominance of strong intelligence based on idolatry, formed as a result of indoctrination by groups seeking monopolies, and will enable the creation of a society in which AI will be a subject-oriented assistant (alter ego) to every individual, local groups and collectives.

Originality - The absence of solar energy rent and the need to pay AI for its work creates a unique opportunity to abandon surplus value and transition to Commodity-to-Commodity economic relations based on new data processing technologies, the principles of Hexarchy, and the use of the Idea Exchange.

Limitations - The author consider general approaches that, with further analysis, can be supplemented and adjusted.

Keywords: AI Technologies, Hexarchy, Rent, Solar Energy, Commodity-Commodity, Idea Exchange.

Scientia potentia est (Knowledge is power). Francis Bacon