Andrii Tyvodar

October 2023

The Future of Artificial Intelligence and Robotics

1 Abstract.

The future of artificial intelligence (AI) and robotics is a dynamic and rapidly evolving domain, presenting swift advancements and potential transformative impacts across various sectors. This article explores anticipated trends and progress in AI and robotics, highlighting their potential implications on society, the economy, and employment. Key areas of focus encompass refined AI algorithms, the burgeoning proliferation of data, enhanced human-machine collaboration, ethical considerations, and the synergistic relationship between AI and quantum computing. Furthermore, this abstract discusses the integration of AI and robotics into daily life, with a particular emphasis on applications in healthcare, education, and creative domains. The societal and economic effects, including workforce transitions, ethical guidelines, and the necessity for inclusive growth, are also examined. A proactive approach to regulation, education, and the responsible development and deployment of AI and robotics is imperative to harness the benefits and mitigate potential challenges in this evolving landscape.

References

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