
ABSTRACTS

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Implementation of generative pretrained transformer (GPT) models in industrial practice and production process
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Abstract: This paper provides an insight into the application of generative pretrained transformer (GPT) models, such as GPT-4 developed by OpenAI, in the field of industrial practice and manufacturing process. The article describes the capabilities of these models, such as natural language understanding and generation, and their role in automating and personalizing services directly in manufacturing industry practice. The work presents concrete examples of how GPT models help automate production processes, support the development of new types of software and services, and facilitate work with artificial intelligence in the fields of robotics and machine control. The article also discusses possible challenges and ethical issues related to the use of these models. It also includes a discussion of the future development and potential of these technologies.
