

“ARTIFICIAL INTELLIGENCE AND DIGITAL ART”

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New technologies, and in particular artificial intelligence, are drastically changing the nature of creative processes. Computers are playing very significant roles in creative activities such as music, architecture, fine arts, and science. However, we believe that we must aim at more ambitious relations between computers and creativity. Rather than just seeing the computer as a tool to help human creators, we could see it as a creative entity in its own right. This view has triggered a new subfield of Artificial Intelligence called Computational Creativity.

AI art is any form of digital artwork, such as images, text, audio, or video, created with the assistance of artificial intelligence. Humans may also be involved in the AI art process, by adding prompts or data (i.e. imagery including paintings, photos, print ads, cartoons, etc.), but the final creation is left to AI. This method has been around for a while, however, it has only achieved widespread notoriety in the last few years.

Digital Art in AI brings several advantages to the realm of digital art. It offers artists new sources of inspiration, enables the generation of vast amounts of diverse ideas, and facilitates the exploration of uncharted territories. Moreover, AI can assist artists in automating certain aspects of the creative process, acting as a collaborator rather than a replacement. However, ethical considerations, potential biases in training data, and the limitations of generative models pose challenges that need to be addressed for responsible and inclusive creative practices.

1. Creative Inspiration. AI models can serve as a valuable source of inspiration for artists and designers. By generating new and unique content, these models can spark creativity and push creative boundaries, leading to innovative and unconventional artworks.

2. Exploration of Uncharted Territories. AI enables artists to explore unexplored territories by generating novel ideas and visual concepts.
3. Efficiency and Automation. AI can automate certain aspects of the creative process, saving artists time and effort.
4. Collaborative Potential. AI can act as a collaborator for artists, working hand in hand with human creativity. It can generate initial concepts or provide alternative ideas, leading to fruitful collaborations between human artists and AI systems.

The future of AI in arts and design holds immense potential. Advancements in realism, interactivity, co-creation, and cross-disciplinary collaboration will reshape the creative landscape. With continued research, ethical considerations, and responsible practices, generative AI can augment human creativity, expand artistic possibilities, and inspire new forms of expression. Embracing generative AI as a tool for artistic exploration and collaboration opens doors to uncharted territories and paves the way for exciting artistic frontiers.

References

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