

The Road to Change in Oil Painting Creation and Appreciation in the Age of Artificial Intelligence

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Abstract: This paper explores in depth the changes in the mode of oil painting creation and appreciation under the perspective of artificial intelligence technology and its multidimensional impact. It analyzes the transformation of the creation mode from the combination of traditional painting and AI to the automated creation by AI, as well as the expansion of the subject matter of creation in terms of cultural traditions and cross-boundary imagination; elaborates on the changes of aesthetic concepts in the mode of appreciation due to the characteristics of the AI works, and the innovation of the appreciation mode realized with the help of AI; and discusses the reexamination of the artistic value in terms of originality and authenticity, and the opportunities brought by cultural inheritance and innovation due to the AI. The opportunities for cultural heritage and innovation brought about by AI. Through the study of these aspects, we will provide a comprehensive understanding and thinking direction for the development of oil painting in the era of artificial intelligence.

Keywords: Artificial Intelligence, Oil Painting, Oil Painting Appreciation, Artistic Value, Cultural Heritage.

1. Introduction

In today's era, artificial intelligence technology is growing explosively, and it has set off a wave of change in many fields. The art field is no exception, and oil painting, as a classic art form, is at the tip of this technological change. The powerful functions of artificial intelligence technology, such as data processing, image generation and analysis, etc., bring unprecedented opportunities and challenges for oil painting creation and appreciation.

An in-depth study of the changes and impact of AI technology on the creation and appreciation of oil paintings will help oil painting artists better adapt to the development of the times and expand the boundaries of creation by utilizing new technologies; it can guide connoisseurs to understand and feel oil paintings with a new perspective; for art theory researchers, it can enrich the theoretical system of the fusion of art studies and science and technology; and at a more macroscopic cultural level, it is conducive to promoting the inheritance and innovation of oil paintings in the modern cultural context. From a more macroscopic cultural level, it is conducive to promoting the inheritance and innovation of oil painting art in the context of modern culture, and promoting the diversified development and exchange of culture.

2. The Influence of Artificial Intelligence Technology on Oil Painting Creation

2.1. Transformation of Creation Mode

The rise of traditional painting plus artificial intelligence painting method. At a time when artificial intelligence painting technology is developing, many painters are beginning to try to combine traditional painting techniques with artificial intelligence. They upload their existing works to artificial intelligence painting platforms such as Crane Write Painting. These platforms use advanced algorithms to deeply analyze and learn from the painter's style, and then can

generate image elements or compositional frameworks that are similar in style but innovative based on the painter's creative ideas. For example, when a painter creates a landscape oil painting, he or she can first let the AI generate some unique cloud shapes, mountain range outlines or tree postures based on his or her previous style of depicting the landscape, and then the painter can integrate these elements into his or her own creations, which not only preserves his or her personal style but also obtains new inspirations, which greatly saves the time of conceptualization, reduces the cost of trial and error, and improves the efficiency of creation.

Artificial intelligence to create realistic oil paintings. Today, some artificial intelligence platforms have been able to independently create extremely realistic oil paintings. Take the crane writing painting small program as an example, the user only needs to input simple descriptive statements, such as "quiet seaside town, fishing boats in the sunset", the platform will be able to generate a colorful, delicate strokes, reasonable composition of oil paintings in a short period of time. This way of creation breaks through the high dependence of traditional oil painting on the painter's time, energy and painting skills, and makes more non-professional painters also able to participate in the process of oil painting, broadening the scope of the main body of oil painting.

2.2. Expansion of Creative Subjects

In-depth understanding of cultural traditions. Under the influence of AI technology, many oil painting creators have begun to re-examine cultural and traditional resources and integrate them into their creative themes. For example, Shang Yadong's "A Demoiselle in the Smoke and Rain" portrays Su Shi, a great Chinese writer of the Song Dynasty, with the expressive methods of Western classical oil painting. Through in-depth study of Su Shi's life story, literary works and characterization, the artist uses the language of oil painting to show Su Shi's open-minded and transcendent temperament in the midst of wind and rain. This way of creation is not only an artistic reproduction of traditional Chinese cultural celebrities, but also an exploration of the integration and

innovation of different cultural elements in the context of the artificial intelligence era. With the help of AI technology, painters can more conveniently obtain and analyze a large amount of information about Su Shi and Western classical painting techniques, thus providing richer materials and sources of inspiration for creation.

Cross-border creation and imagination. In terms of the subject matter of oil painting, cross-border creation has become a new trend. Yu Xiaofu's "Small Gathering-My Doll's House" is a typical case. In the work, the artist skillfully blends the images of Chinese and foreign literary masters with various animals, dolls and other elements. With the assistance of artificial intelligence technology, the artist is able to break through the limitations of traditional thinking and boldly combine elements and build scenes. For example, the use of image generation software to try to match the effect between different images, and the simulation and screening of a variety of compositional schemes before creation, so as to make the picture present a unique joyful atmosphere and rich life interest, bringing the audience a new visual experience and aesthetic feeling.

3. The Change of Artificial Intelligence Technology on The Appreciation Mode of Oil Painting

3.1. Change of Aesthetic Concept

The contrast between AI's "brush strokes" and the flavor of oil painting. The aesthetics of traditional oil painting relies heavily on the painter's unique brush strokes, use of color and expression of texture. However, although AI-generated oil paintings can imitate similar effects in appearance, they differ from traditional hand-painted oil paintings in terms of the fineness of brush strokes, the conveyance of emotions, and the unique flavor of oil paintings. For example, in some AI-painted oil paintings, the changes in brushstrokes may lack the randomness and agility of hand-painted paintings, and the transition of colors, though precise, may lack the kind of subtle changes resulting from hand-tinting and painting. This difference prompts connoisseurs to rethink the connotation of the aesthetic concept of oil painting, no longer limited to the traditional judgment criteria, but more concerned about the creative process behind the work and the new aesthetic qualities generated by the fusion of art and technology.

Reinventing the impact of classic works. The reshaping of classic oil paintings by AI has also brought great impact on the connoisseur's aesthetic concept. For example, the AI version of the Mona Lisa may be created on the basis of the original work with style conversion, background replacement, or fine-tuning of characterization. When these AI reimagined works are presented in front of the audience, on the one hand, it will make people marvel at the powerful image processing capability of AI technology, and on the other hand, it will also trigger a reexamination of the sanctity and uniqueness of classic works. Appreciators begin to think about whether the definition of classic works needs to be expanded in the age of artificial intelligence, and how to understand and appreciate the artistic value of classic works in the new technological context.

3.2. Innovation in Appreciation

Artists of the future: cooperation between AI and humans. With the deep integration of artificial intelligence technology and oil painting art, a new mode of art creation and

appreciation is gradually emerging, namely the cooperation between AI and human artists. In this mode, AI can generate creative ideas, compositional frameworks or color schemes based on a large amount of art data and algorithms, and human artists will give play to their emotions, aesthetics and creativity on this basis to further refine and perfect their works. For the connoisseur, such collaborative works not only have the novelty and innovation brought by artificial intelligence, but also contain the emotional temperature and cultural connotation of human artists. The connoisseur needs to understand the origin and fusion of different elements in the work from this new creative relationship, so as to form a new appreciation experience and aesthetic judgment.

The combination of AI's art education and appreciation. The application of artificial intelligence in the field of oil painting art education also brings innovation to the appreciation method. With the help of machine learning and image recognition technology, AI can analyze and interpret a large number of oil paintings, and summarize the characteristics and creation laws of oil paintings of different styles, genres and periods. This knowledge can be imparted to connoisseurs through digital education platforms, enabling them to more systematically understand the development lineage and internal logic of oil painting art. For example, some art education APPs make use of artificial intelligence technology to recommend personalized oil painting appreciation courses and articles based on users' browsing records and interest preferences, helping users to deeply understand the creative background, artistic techniques and cultural significance of oil paintings, so as to enhance the connoisseur's level of appreciation and aesthetic quality.

4. Multi-dimensional Impact of Oil Painting Creation and Appreciation Under the Perspective of Artificial Intelligence Technology

4.1. Re-examination of Artistic Value

Ethical issues of artistic originality and attribution. Artificial intelligence-assisted oil painting creation has triggered a profound ethical discussion about artistic originality and attribution. When AI takes on most of the image generation, composition design and other work in the creation process of an oil painting, how should the originality of this work be defined? Does it belong to the human artist who provided the creative ideas, or to the technical team that developed the algorithm and platform, or to both? For example, in some oil paintings generated by AI based on simple instructions entered by the user, although the user is involved in the creative process to a certain extent, the core creative elements of the work are largely generated by the AI algorithm. In this case, how to determine the artistic value of the work and the attribution and distribution of the work has become a new issue facing the art and legal communities. Failure to properly address this issue may lead to confusion in the art market, affecting the creative motivation of artists and the normal trading of art works.

Impact on traditional skills and authenticity of artistic expression. Over-reliance on AI technology in oil painting creation may have a weakening effect on artists' traditional painting skills. Traditional oil painting creation requires painters to undergo a long period of training to master basic skills such as sketching, coloring, and composition, as well as

the skillful use of brushes, paints, and other tools. However, the emergence of AI painting platforms has made it possible for some people who lack these traditional skills to create seemingly exquisite oil paintings. This raises concerns about the authenticity of artistic expression. If painters rely excessively on the elements and effects generated by AI and neglect the expression of their own emotions, experiences and thoughts, oil paintings may be reduced to products of technology and lose their essential character as art expressing the inner world of human beings. Therefore, in the era of artificial intelligence, how to maintain and inherit the traditional skills of oil painting creation and ensure the authenticity of artistic expression while utilizing artificial intelligence technology is an important issue to be considered in the development of oil painting art.

4.2. Opportunities for Cultural Inheritance and Innovation

Combination with history and culture. Oil painting creators are actively exploring the deep combination with history and culture in the era of artificial intelligence, opening up a new path for cultural inheritance. For example, Jiang Jianzhong's *a Meeting at the Wrong Time - Lang Jingshan and His Friends* shows the Chinese master photographer Lang Jingshan, as well as the cultural atmosphere and characters of the era in which he lived, through the form of oil paintings. In the process of creation, the artist utilized artificial intelligence technology to dig deep into historical data, photos and documents to obtain more information about the image details and life scenes of Lang Jingshan and his friends, so as to more accurately restore the historical situation and delicately portray the characters. This way of creation not only makes oil paintings become a vivid carrier of history and culture, allowing more viewers to learn about the cultural landscape and stories of characters in a specific period through oil paintings, but also injects a deep cultural heritage into the development of oil painting art itself while passing on culture, and enhances the cultural connotation and artistic value of oil paintings.

Promote the emergence of new art forms. The integration of artificial intelligence technology has promoted the emergence of new forms of oil painting art. For example, some artists use the dynamic image elements generated by artificial intelligence algorithms, combined with the static images of traditional oil paintings, to create oil paintings with dynamic effects, breaking the limitations of static viewing of traditional oil paintings. There are also artists who combine the virtual reality (VR) or augmented reality (AR) scenes generated by artificial intelligence with oil paintings, so that when the audience enjoys the oil paintings, they can wear the corresponding equipment to immerse themselves in the scenes depicted in the oil paintings, which enhances the interactivity and sense of participation between the audience and the works. The emergence of these new art forms is the result of the innovative fusion of artificial intelligence technology and oil painting art, and they enrich the forms of expression and dissemination of oil painting art, and provide a new impetus and opportunity for the development of oil painting art in the modern cultural context.

5. Conclusion

5.1. The Change and Influence of Artificial Intelligence on Oil Painting Creation and Appreciation

Artificial intelligence technology has triggered all-round and multi-level changes in the field of oil painting creation and appreciation. In terms of creation, from the diversification of creative methods to the expansion of creative themes, it reflects the integration and collision of artificial intelligence and traditional oil painting art. In terms of appreciation, the updating of aesthetic concepts and the innovation of appreciation methods have prompted the audience to understand and feel oil paintings from a new perspective. At the same time, this change also brings multi-dimensional impact, which triggers the thinking of originality, attribution, and traditional skills and authenticity at the level of artistic value; at the level of cultural inheritance and innovation, it not only provides a new means of historical and cultural inheritance, but also promotes the birth of new art forms.

5.2. Prospecting the Future Development Direction of Oil Painting Art

Looking to the future, oil painting art in the era of artificial intelligence will continue to move forward along the road of integration and innovation. Artists need to give full play to the advantages of AI technology while adhering to the essential characteristics of oil painting art, focusing on emotional expression, cultural connotation and the inheritance of traditional techniques. Art education should strengthen the research and teaching of the relationship between AI and oil painting art, and cultivate artistic talents with interdisciplinary knowledge and innovation ability. Art theory research should also further explore the aesthetic standard, value system and development law of oil painting art in the era of artificial intelligence, so as to provide theoretical support for the healthy development of oil painting art. At the social level, relevant laws, regulations and ethical norms should be established and improved to properly solve the various problems caused by AI in the process of oil painting creation and appreciation, so as to promote the prosperous development of oil painting in the era of AI, and enable it to continue to emit its unique charms in the diversified pattern of modern culture.

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