

# Research on the Reconstruction of Film Narrative and Aesthetics in the AI Era

Xiaojing Guo

School of Broadcast and Television, Communication University of China, Nanjing, Jiangsu, 211172, China

## ABSTRACT

The in-depth penetration of AI technology promotes the comprehensive reconstruction of film narrative and aesthetics, which has become a new opportunity for the development of film art. Based on the technological characteristics of the AI era, this article explores the three core dimensions of film narrative reconstruction, namely the human-machine collaborative transformation of narrative subjects, the intelligent upgrading of narrative tools, and the diversified expansion of narrative contexts. It also analyzes the innovative forms of film aesthetics, including the aesthetic expression of virtual-real integration, the aesthetic unity of technology and humanity, and the aesthetic paradigm of pluralistic symbiosis. Furthermore, it proposes practical approaches for strengthening human-machine collaboration, innovating narrative structures, and promoting aesthetic innovation. This study shows that AI, through technological empowerment, can enrich film narrative, expand aesthetic dimensions, and inject new vitality into the high-quality development of film art. Meanwhile, film creation must adhere to the humanistic core to achieve a positive coexistence of technology and art.

## KEYWORDS

AI; film narrative; Film aesthetics; Reconstruction development

## 1 Introduction

With the rapid iteration of technologies such as generative AI and multimodal interaction, AI has deeply penetrated the entire process of film creation, which breaks the inherent paradigms of traditional film narrative and aesthetics, and triggers profound changes in the field of film art. Traditional films are dominated by the creativity of professional creators with fixed narrative logic and aesthetic expression. However, the introduction of AI technology has reshaped narrative subjects, upgraded the narrative tools, expanded narrative contexts, and further driven the innovation breakthroughs in film aesthetics towards the integration of virtuality and reality and the unity of technology and humanity. On this basis, exploring the foundation of film narrative construction, the innovation forms of film aesthetics, and the practical paths in the AI era is not only a realistic need to respond to the impact of technological changes on film art, but also an important topic for promoting the high-quality development of film art and enriching the theoretical system of film aesthetics. It is of great significance for clarifying the dialectical relationship between technology and art and upholding the humanistic core of film.

## 2 Foundation of Film Narrative Reconstruction

### 2.1 Collaborative Transformation of Narrative Subjects

In the AI era, the technological penetration has disrupted the centralized structure of the traditional narrative subject in films, and prompted the narrative subject to shift from a single-creator-dominated model to a new paradigm of multi-subject collaboration. In traditional film and television production, the narrative authorities are concentrated in professional groups such as directors and screenwriters, resulting in a relatively closed narrative framework and value transmission. However, nowadays, professional creators, AI systems, and the audience jointly constitute the subject of narrative decision-making, and form a dynamically interactive collaborative mechanism. Creators adhere to the artistic core and value orientation, while AI undertakes material selection, narrative path deduction and other tasks relying on their data processing capabilities. The audience, in turn, uses the interactive platform to provide feedback on their preferences and participate in narrative construction. This in-depth collaboration of multiple subjects has broken through the limitations of traditional creative subjects, reshaped the distribution logic of narrative authorities, and served an important prerequisite for the reconstruction of film narrative in the era of AI.

### 2.2 Intelligent Upgrading of Narrative Tools

The innovation of narrative tools is a crucial support for the reconstruction of film narrative. AI technology has facilitated a leapfrog upgrade of film narrative tools from digitalization to intelligence. Traditional film narrative tools function as auxiliary means, with obvious limitations in creative efficiency and expression boundaries, and the realization of highly demanding creative ideas is often constrained by production cycles and technical capabilities. In contrast, the

narrative tools in the era of AI rely on deep learning and multimodal generation technologies to acquire greater autonomy and creativity. They can automatically generate narrative materials, deconstruct narrative logic, and optimize narrative details in response to human instructions<sup>[1]</sup>. Script generation tools can construct logically coherent plot frameworks based on core themes and emotional orientations. Lens design tools can combine long shots, medium shots, and close-ups according to narrative requirements to significantly improve the efficiency of narrative creation. Moreover, they can also precisely capture emotional clues and subtle differences in the narrative, achieving precise and delicate narrative expression. Through this way, narrative tools are transformed from simple technical assistance to an important support for narrative creation, thus promoting the innovation and upgrading of narrative methods.

### **2.3 Diversified Expansion of Narrative Contexts**

The in-depth application of AI technology and the evolution of the social and cultural ecology have enabled the film narrative context to break away from the traditional single paradigm and expand into multiple dimensions, thus consolidating the realistic foundation for the reconstruction of the narrative. The traditional film narrative context is grounded in the established reality and history, as well as the fictional framework, with rigid contextual boundaries and notable shortcomings in audience adaptability. AI reshapes the contextual forms from both technical logic and cultural demand perspectives. It breaks through the barriers of spatiotemporal narrative, and integrates narrative scenes of real and virtual dimensions, enriching the spatial layers of the context. At the same time, the quantitative analysis of audiences' cultural perceptions and value orientations by intelligent algorithms gives rise to narrative contexts that combines with personalization and differentiation, which can cater to both mainstream and niche cultural demands. The penetration of a cross-media communication ecology further dissolves the independence of the screen context, and makes it interact and integrate with media contexts such as short videos and virtual reality, thereby constructing an open and diverse narrative context system, and driving the reconstruction of film narrative models.

## **3 Innovative Forms of Film Aesthetics in the AI Era**

### **3.1 Aesthetic Expression of Virtual-Real Integration**

The application of AI technology gives rise to a new expression of virtual-real integration in film aesthetics, breaks the aesthetic boundaries between reality and virtuality in traditional films, and constructs a brand-new aesthetic experience. The aesthetic expression of traditional films is mostly based on realistic shooting. Documentary genres focus on authentic presentation, while fictional genres rely on reality. They are difficult to break through the limitations of physical reality. As a result, the aesthetic expression has long centered on the binary opposition between reality and fiction. However, in the AI era, film aesthetics leverage generative technology to integrate live-shooting materials with virtual scenes and digital characters. It preserves the emotional authenticity of human performances, and delivers the visual tension of virtual scenes, achieving the unity of documentary aesthetics and virtual aesthetics. Meanwhile, AI can generate unprecedented scenes, characters and physical phenomena, transforming human imagination into concrete aesthetic images, and shifting film aesthetics from the reproduction of reality to the exploration of possibilities. Such virtual-real integrated expression enriches the dimensions of film aesthetics, promotes the development of film aesthetics towards diversified integration, and enables the audience to obtain a new aesthetic experience in the interweaving of reality and virtuality.

### **3.2 Aesthetic Unity of Technology and Humanity**

The film aesthetics in the AI era break the traditional perception of the opposition between technology and humanity, and achieves an organic unity of technical aesthetics and humanistic aesthetics. This unity restructures the aesthetic paradigm of films. In traditional film aesthetics, technology is limited to assisting humanistic expression, with its value laying in the optimization of visual presentation, and it cannot be deeply integrated with humanistic connotations. The era of AI completely changes this situation. Technology is no longer merely an auxiliary tool but has become an important carrier for humanistic expression. And technical aesthetics and humanistic aesthetics mutually permeate and empower each other. Through precise computation, AI elevates the fluidity of lens transitions, the harmony of color matching, and the delicacy of detail presentation in film images to a level unattainable by traditional technology, endowing the images with extreme technical texture<sup>[2]</sup>. At the same time, human creators integrate their humanistic thinking and emotional connotations into the entire application process of AI technology, enabling the AI-generated content to carry clear humanistic values and emotional expressions, and achieving a dynamic balance between technical rationality and humanistic value. Film aesthetics thus possess both the visual impact brought by technology and the emotional resonance endowed by humanity, and the overall aesthetic value of film art is further enhanced.

### 3.3 Aesthetic Paradigm of Pluralistic Symbiosis

The development of AI technology drives the film aesthetic paradigm from singularity to diversity, breaking the limitations of traditional film aesthetics and forming a aesthetic pattern of pluralistic symbiosis. Traditional film aesthetics are mainly dominated by the director's personal style or the aesthetic characteristics of a certain genre, with relatively fixed aesthetic paradigms and limited aesthetic choices for the audience. In the AI era, the technical capabilities of AI can not only precisely replicate the lens language, narrative style and aesthetic tendencies of different directors to achieve the inheritance and continuation of classic aesthetic styles, but also by generate unprecedented aesthetic images and expressive forms by learning and integrating massive aesthetic materials to give rise to new aesthetic forms such as AI-native aesthetics. At the same time, the precise capture of audience aesthetic demands by algorithms can promote the development of film aesthetics towards individualization and diversification, and make audiences with different aesthetic preferences obtain tailored aesthetic experiences, thereby further enriching the connotation of film aesthetics and promoting its innovative development.

## 4 Practical Paths for the Reconstruction of Film Narration and Aesthetics in the AI Era

### 4.1 Strengthen Human-Machine Collaborative Narration and Uphold the Humanistic Core

The reconstruction of film narrative in the AI era requires strengthening the human-machine collaborative narrative model of leveraging the advantages of AI technology and adhering to the humanistic core. Human creators should establish their dominant position in the narrative process, integrate humanistic thinking and the spirit of the times into the entire process of narrative creativity, focus on emotional expression and value transmission, and control the humanistic connotation and emotional orientation of the narrative. AI should rely on its technological advantages to assist humans in completing basic and repetitive tasks such as material sorting, plot optimization, and lens design. At the same time, it should provide diversified narrative plans and expression ideas in line with human creative needs<sup>[3]</sup>. During the collaboration, emphasis should be placed on the organic integration of human creativity and AI technology to avoid technology-dominated narrative and ensure that the narrative always centers on the humanistic core. Therefore, it can achieve a two-way enhancement of the diversity and efficiency empowered by technology, as well as the emotional warmth and value depth endowed by humanistic expression.

### 4.2 Innovate Narrative Structures and Enrich Forms of Narrative Expression

To innovate the narrative structure of films and enrich the forms of narrative expression, it is necessary to break through the inherent framework of traditional film narrative and conduct innovation in light of the characteristics of AI technology<sup>[4]</sup>. First, by leveraging the algorithmic advantages of AI, it can construct a multi-threaded, time-space interleaved nonlinear narrative structure, break the limitations of traditional linear narrative, enhance the layering of the narrative, and guide the audience to actively participate in the narrative interpretation. Second, by using AI generative technology, It can expand the expression dimensions of narrative, integrate text, images, sounds and other elements in a diverse way, and create an immersive narrative experience, so as to encourage the audience's active engagement<sup>[5]</sup>. Third, relying on AI technology, it can capture real-time audience feedback, construct an interactive narrative structure, dynamically adjust the narrative direction, and provide the audience with certain narrative choice rights. Therefore, it can break the one-way transmission mode of traditional film narrative, and make the narrative expression both flexible and personalized. On the basis of retaining the core charm of film narrative, the advantages of technology can be fully utilized to achieve innovative breakthroughs in narrative forms.

### 4.3 Promote Aesthetic Innovation and Construct a Pluralistic Aesthetic System

To promote the innovation of film aesthetics and establish a diversified aesthetic system, it is essential to take AI as the support, base on the core of traditional film aesthetics, and integrate contemporary characteristics. At the level of visual aesthetics, AI technology can be applied to optimize the composition, color matching and lighting effects to break the boundaries of traditional visual aesthetics and enrich the visual aesthetic experience. It makes the images not only meet the aesthetic needs of the public, but also possess unique artistic identity, achieving the unity of technological and artistic senses<sup>[6]</sup>. At the level of emotional aesthetics, with the help of AI technology, it can accurately capture subtle emotional changes in characters. Through the precise presentation of elements such as pictures and sounds, it can enhance the emotional appeal and penetration, guiding the audience to establish a strong emotional resonance, and deepening the emotional connotation of film aesthetics. In addition, by integrating aesthetic concepts from different cultural backgrounds and relying on AI technology, the integration and innovation of diverse aesthetic elements can be achieved.

It can break aesthetic barriers, construct a diversified aesthetic system that combines tradition and modernity, as well as Eastern and Western aesthetics, and drive film aesthetics towards greater inclusiveness and innovation.

## 5 Conclusion

The reshaping of film narrative and aesthetic systems in the era of AI not only endows the industry with momentum for innovation, but also gives rise to numerous theoretical and practical challenges that require urgent responses. Based on the analysis and argumentation of this study, the iteration of collaborative models among narrative subjects, the infiltration of intelligent technology tools, and the expansion of communication context boundaries have laid a solid foundation for the reconstruction of film narrative structures. Meanwhile, the virtual-real coexistence at the visual level, the integration of technology and humanities at the value level, and the symbiosis of diverse aesthetic discourses at the system level have pointed out the advanced path of film aesthetics. The deep reconstruction of film narrative and aesthetics must take humanistic values as the fundamental guideline, optimize the human-machine collaboration mechanism, break through traditional narrative frameworks, and build an aesthetic system adapted to the times. In the context of continuous iteration of AI technology, only by balancing the technological empowerment and the artistic authenticity, and integrating innovative breakthroughs and adherence to humanistic values can film art achieve long-term development and sustain and elevate its artistic vitality in the contemporary context.

## About the Author

Xiaojing Guo, Master's Degree, Lecturer, Research Fields: Radio and Television Art Studies, Film and Television Art Research.

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