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Innovative Research on News Editing Thinking Modes in the Context of the 5G Era (Postprint)

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Abstract

The rapid development of the 5G era is propelling explicit transformations in news editing work mechanisms, as the boundaries between traditional and new media gradually dissolve, thereby imposing heightened demands for innovation in news editing thinking patterns. This article, building upon a brief overview of the necessity for innovating news editing thinking patterns in the 5G era, analyzes the fundamental types of thinking innovation in editing, and proposes innovation pathways and implementation safeguards grounded in practical realities. In doing so, and on the basis of comprehensively advancing innovation in news editing thinking patterns, it serves as a positive catalyst for the innovative development of news media.

Full Text

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Research on Innovation of News Editing Thinking Mode Based on the 5G Era Background

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Abstract

The rapid development of the 5G era has driven significant transformations in news editing work mechanisms, with the boundaries between traditional and new media gradually disappearing, placing higher demands on the innovation of news editing thinking modes. This paper briefly outlines the necessity of innovating news editing thinking modes in the 5G era, analyzes the basic types of thinking mode innovation, and proposes innovation pathways and implementation guarantees based on practical considerations. By comprehensively promot-

ing the innovation of news editing thinking modes, this research aims to play a positive role in driving the innovative development of news media.

Keywords: 5G era; news editing; thinking mode; innovative development

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Against the backdrop of innovation becoming the central theme of development in the new era, the news editing industry is increasingly driven by technological advancements. The dual drivers of continuous improvement in 5G infrastructure and media convergence require news editors to innovate their own thinking modes, comprehensively revolutionizing the traditional constraints in news reporting planning, content editing, and distribution. Only by constructing a new thinking mode system can news editors keep pace with the demands of the times, achieve overall innovation in news editing work, play a more positive role in promoting the innovative development and functional effectiveness of news media, and contribute greater strength to socio-economic development.

1. The 5G Era and News Editing

1.1 Characteristics of the 5G Era

5G is the abbreviation for the fifth-generation mobile communication technology. Relying on key performance indicators such as high speed, low latency, and massive connectivity, it has laid a solid foundation for enhancing information and communication capabilities. The independent networking and differentiated applications of 5G technology can provide mobile Internet users with more optimal application experiences, meeting the requirements of high-level applications in multiple scenarios; it can provide peer-to-peer latency and high-reliability services for certain vertical industries, breaking through the temporal and spatial constraints of some production and living scenarios; and it can provide high-level basic technical support for big data collection and transmission, driving the overall transformation of the social economy toward digitalization and intelligence. Rapid entry into the 5G era has become essential for enhancing national core competitiveness and an important influencing factor in national-level competition.

1.2 Development Trends of News Editing in the 5G Era

In the context of the 5G era, news editing, as an industry type that directly relies on information transmission, is more profoundly impacted, and the overall industry development will exhibit the following characteristics: First, news editing and transmission efficiency will be comprehensively improved, with news gathering and editing processes being maximally streamlined. Combined with the application of big data technology and intelligent technology, the efficiency of news planning and content production will be comprehensively enhanced, breaking through the barriers of traditional news forms, achieving round-the-clock dissemination of news information, and comprehensively improving the timeliness of news editing. Second, the audience base will become broader, and the interaction level between editors and audiences will be comprehensively improved, making news editing more targeted and effective. Third, news editing forms will become more diversified, utilizing combinations of images, videos, and text to better meet the visualization requirements of news editing, improve the efficiency of audience information reception, and simultaneously place higher demands on thinking innovation in news editing. Fourth, news editing will gradually develop toward intelligence, with continuously improving efficiency in data collection, transmission, and integration driving the increased involvement of artificial intelligence in various aspects of news editing, requiring news editors to possess good data literacy and adapt to the practical transformations brought by intelligent development.

1.3 The Necessity of News Editing Thinking Mode Innovation in the 5G Era

Thinking mode is the form through which thinking is realized, referring to the perspectives, approaches, and methods by which people view things, and it plays a decisive role in individual words and actions. In the news editing work system, the level of innovation has a direct impact on creative quality, creative efficiency, and the effectiveness of news media's public opinion guidance. Although the application level of various new technologies in news editing work continues to improve, news editing forms are becoming more diversified, and even all aspects are continuously developing toward intelligence, at the overall level, technology application still depends on the realization of news editing thinking modes. Only through genuine thinking mode innovation can various technological applications be organically integrated, enabling innovation in news editing content and processes, and better meeting the diversified needs of the public for news reading. From this perspective, in the context of the 5G era, news editors must clearly recognize the necessity of thinking mode innovation, laying a more solid foundation for driving overall transformation in news editing.

2. Basic Types of 5G News Editing Thinking Mode Innovation

2.1 Long-Video Return Thinking

Compared with traditional information transmission technologies, 5G technology has fundamental advantages in transmission rate, capacity, and latency. As the overall construction scale continues to expand and costs continue to decrease, these advantages will become more prominent. The direct impact of these advantages is a direct challenge to the current short-video news format. Although the short-video model can adapt to the fast-paced development of modern society, it also has practical problems such as poor quality, limited content, and expression deviations in its operation. With the support of 5G technology advantages, these defects and deficiencies of short videos will be further amplified, while long videos can better meet audience demands for entertainment, leisure, and in-depth reading, enhancing overall effectiveness through the depth and substance of news.

2.2 Niche Communication Thinking

The technological and psychological transformations of audiences in the 5G era will further intensify the contradiction between massive information and fragmented audiences. In their work system, news editors must adapt to the vertical and flattened development characteristics of news dissemination, as well as the development features of the Internet of Everything in social operations. While expanding the influence of news media dissemination as much as possible, they must cultivate targeted and distinctive audience groups—that is, they must achieve innovation in niche communication thinking. Building an innovative system for niche communication thinking modes can, on the one hand, fully leverage the core competitive advantages of news editors, realize the construction of a collaborative system between news editors and audience groups, and innovate the construction of diverse scenarios for news editing. On the other hand, it can innovate news engagement scenarios based on 5G platforms, promote deep integration of different media types, better explore new business ecosystems and profit models for the news industry, and facilitate the innovative development of news media.

2.3 User Management Thinking

User management thinking can be considered a fundamental manifestation of news editors returning to the reader-centric principle in the 5G era, as well as a basic requirement for truly embodying a user-centered approach. The deep integration of 5G technology with cloud technology and big data technology drives users to begin building news content databases that suit their own requirements, thereby forming distinctive news demand systems. For news editors, they must also adapt to the characteristics of these practical changes. On the one hand, they should return the rights of news information reading and management to

users to satisfy their demands for autonomous management and application. On the other hand, editors themselves must also build corresponding private traffic systems to ensure that the focus of their core competitiveness aligns with the demands of target audience groups. Through the innovative application of user management thinking, the stickiness of target audience groups can be genuinely enhanced, and through the deep development of private traffic, the comprehensive costs of news editing and audience development can be reduced.

2.4 Integrative Thinking

The diverse coverage of 5G technology applications makes every node a potential source of news information, enabling the excavation of deeper news connotations on this basis. This requires news editors to gradually cultivate integrative thinking and conduct practical work based on open communication philosophy. In the stages of news information collection and topic planning, they must be able to comprehensively process various information sources, combine big data technology applications to verify the authenticity of sources, and achieve deep traceability. On the basis of comprehensive processing, they should evaluate topic planning outcomes through integrative thinking. The innovation of integrative thinking modes can not only better control the authenticity and reliability of news content but also ensure the authority of news media, safeguard the ethical standards of news editing, and guarantee the sustainable development of news media.

2.5 Reverse Thinking

Reverse thinking is not a rebellion against existing news editing thinking modes but rather reverse thinking based on the audience perspective—that is, being able to place oneself in the audience's position from their viewpoint to evaluate and analyze deficiencies in various aspects of news editing. Through reverse thinking and perspective-taking, overall innovation in news editing can be achieved. Based on theories of communication psychology, audience participation and loyalty in the news dissemination process exhibit a positive growth relationship. Reverse thinking is a direct way for news editors to deeply understand the psychological dynamics of audience groups. Through perspective shifting, traditional thinking constraints can be genuinely broken through, enabling comprehensive evaluation and analysis of news content from all angles, and providing guidance for subsequent editing work optimization and innovation.

3. Innovation Path of News Editing Thinking Mode in the 5G Era

3.1 Enhancing News Editors' Data Literacy Levels

Data is the foundation for 5G platform operation and an important basis for realizing news editing thinking mode innovation. Relying on the deep application

of 5G technology, comprehensively cultivating news editors' data management and decision-making literacy, data acquisition and interpretation literacy, data processing and communication literacy, and data ethics literacy can genuinely enhance data literacy levels, strengthen proper understanding of 5G technology applications, and play a positive role in promoting thinking mode innovation. The realization of data literacy requires news editors to comprehensively reform their own 5G technology application concepts, deeply integrate into the data operation system, and through the combination of media platform training and self-directed learning, construct a data literacy system suitable for their own development. They must integrate the essential principles of the news editing profession throughout all processes of daily work, achieve diversified thinking mode innovation, and promote comprehensive enhancement of their core competitiveness.

3.2 Driving News Editing Toward Intelligent Development

The rapid development and application of 5G technology drive the intelligent development of media, which in turn requires news editing to inevitably develop toward intelligence. The development toward intelligence demands that news editing operations and services gradually focus on being audience-centered, make the technical division of labor system in news editing more refined, news presentation scenarios more complex, the news editing profession more generalized, and cause the relationship between news editing and the external world to undergo deep-level transformations. In this context, news editors must necessarily adapt to the basic requirements of intelligent innovation, rely on intelligent technology support to innovate intelligent news products, and achieve deep interaction with audience groups on the basis of gradually realizing intelligent organizational transformation. The intelligent robots that appear on some media platforms for interactive communication with readers are examples of the development toward intelligence. The continuous deepening of intelligence development requires news editors to achieve diversified thinking mode innovation.

3.3 Innovating News Topic Planning Methods

Innovation in news topic planning methods is the primary manifestation of news editing thinking mode innovation and the most direct impact level brought by 5G technology. Traditional news topic planning methods take news events or the news editor's own capability level as the starting point—that is, they focus more on the news media itself. However, the integration of 5G technology and intelligent technology has fundamentally changed audience groups' attention patterns toward news media. In this situation, news editors are required to comprehensively collect and organize news information through network-based operations based on user management thinking modes and utilize intelligent analysis technology to optimize specific topics. To improve the efficiency of news topic planning, news editors must also be able to create distinctive topic databases based on the characteristics of target audience groups and integrative

thinking modes. When selecting specific topics, they can directly search within the database and provide relevant news content to guide topic planning. During the topic planning process, they can also optimize specific topics through real-time communication with audience groups, making the topics more aligned with audience news information needs.

3.4 Innovating News Dissemination Models

The high-level application of 5G technology has brought fundamental changes to news dissemination modes, with audience stickiness continuously decreasing and the public opinion guidance role of news media being continuously weakened. In this context, news editors should start from the perspective of thinking mode innovation, change traditional news dissemination concepts, and build new news dissemination models. First, they must leverage the advantages brought by 5G technology in content design to increase the proportion of videos and images in content editing, especially strengthening the application of long-video and long-video decomposition modes to better meet audience groups' diverse news information needs. Second, news content must have depth and value, avoiding distorted reporting and erroneous public opinion guidance, and should be able to enhance audience engagement through news dissemination. Third, they must adapt to the networked dissemination characteristics of news transmission, achieve decentralized distribution of dissemination processes, optimize dissemination modes, and enhance the capacity for guiding public opinion of news information.

3.5 Innovating News Push Modes

Against the backdrop of deep integration between 5G era technology and big data analysis technology, media platforms can analyze the reading characteristics of different groups in real-time based on data such as audience reading duration and reading type distribution, and then conduct targeted push of news content according to intelligent analysis results. This mode can make the pushed news information content more aligned with audience psychology and actively interact with news editors. However, under the current situation where intelligent analysis is not yet perfect, this approach also brings about a certain "information cocoon" effect, causing audience groups to develop aesthetic fatigue from the same information cluster. Therefore, while news media continuously optimize intelligent analysis systems, news editors are also required to explore the push system, analyze abnormal phenomena in data processing, and optimize information push mechanisms. This will better achieve optimization of news information push modes and play a positive role in realizing effective alignment between news editors and audience groups, as well as innovating news editing thinking modes.

4. Implementation Guarantee of 5G News Editing Mode Innovation

4.1 Optimizing the Human Resource Structure System

The application of 5G technology has provided technical-level support for news editing thinking mode innovation. However, fundamentally, the ultimate realization of innovation effectiveness still relies on news editors themselves. In the current human resource structure system of news editing, most personnel have liberal arts backgrounds, with relatively insufficient innovative and logical thinking, and inadequate sensitivity to technology application. Therefore, to promote thinking mode innovation in news editing, the first step must be to optimize the human resource structure system by introducing specialized and innovative talents with information technology and 5G technology backgrounds. Through the organic integration of technology and content, the innovation capability of news editing teams can be optimized. Second, it is necessary to strengthen the cultivation of data literacy among news editors, promote thinking mode innovation through comprehensive literacy, expand pathways for thinking innovation in the editing process, and drive news editing toward diversified and deep-level thinking mode innovation.

4.2 Building a Media Convergence Operation Center

The application of 5G technology directly drives the arrival of the media convergence era, achieving organic integration of traditional and new media, while also playing a positive and effective role in promoting news editing thinking mode innovation. However, in terms of current actual development trends, traditional media is relatively more active in media convergence construction, actively moving toward online media platforms, but new media's compatibility with traditional media is clearly insufficient, which to some extent limits news editing thinking mode innovation. For media organizations, they should organically combine new media with traditional media, adopt diversified creative methods, form a new media convergence operation paradigm, build a media convergence operation center with their own characteristics, and continuously drive news editors to achieve thinking mode innovation, laying a solid foundation for overall innovation in news media.

4.3 Constructing a New News Media Ecology

The construction of news media ecology is an environmental condition for the realization of news editing thinking mode innovation. Based on 5G technology to achieve organic interconnection of various news media elements, it can more accurately grasp the internal operational mechanisms between different elements, visualize these mechanisms, and provide ideological guidance for news editors' specific creative work. For news editors, they must be able to adapt to the new changes brought by news media ecology construction. On the one hand, they should actively absorb high-quality elements within the ecosystem, expand

their own conceptual frameworks, and better apply new thinking modes to the creative level. On the other hand, they should actively incorporate the elements they create and collect into the media ecosystem, continuously enriching news media content. Only in this way can various elements be organically integrated, the new news media ecosystem be perfected, and synchronous growth between individuals and media platforms be achieved.

In the context of the 5G era, the innovation of news editing thinking modes has become a fundamental driving force for the development of the news industry. For relevant practitioners, they must adapt to the practical requirements of technological transformation and media environment changes, continuously strengthen their own comprehensive competency development, and innovate thinking modes. Only then can they truly create more high-quality news works, make greater contributions to realizing innovative development in the news industry, and promote the construction of socialist cultural undertakings.

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Note: Figure translations are in progress. See original paper for figures.

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