

Exploration of interior design using humanistic design

Ruijiao Zhou *

Institute of Textile&Fashion Design, Luxun Academy of Fine Arts, Shenyang, China

**Corresponding author*

Abstract: *The quality of life of people has been effectively improved with the development of the times. Traditional interior design styles are difficult to meet people's pursuit of high-quality life. The people-oriented concept is the main theme of the development of the times. In the construction of living environment, it not only meets people's basic living needs, but also achieves more humanization. Therefore, the introduction of the concept of "humanization" in interior design has also emerged. In interior design, it is necessary to adhere to the effective implementation of "people-oriented" to maximize the satisfaction and sense of gain of people's lives. In the interior design, incorporate the concept of humanization, fully consider the differences of each person, find a balance, and create a residential environment that satisfies the residents.*

Keywords: *interior design, humanization, exploration*

1. Introduction

Environmental pollution caused by architectural decoration and other issues now urgently need to be resolved as soon as possible. In this era, many urgent issues have emerged in traditional interior design. This article aims to conduct a further study of the current humanized interior design evaluation system, and calls on designers and relevant personnel to use humanized green materials and various technological means in the decoration process to truly implement the humanized design concept of interior design. Currently, there are many books and documents on humanized design and humanized architecture, but there are few papers on sustainable humanized design from an internal perspective. Through literature review, the research on "humanized architecture" in foreign architectural circles has been relatively early and has made great progress up to now. At present, the living environment is an important standard to measure the quality of people's lives. The transformation of human life concepts has also led to changes in our design concepts. After meeting people's basic needs, the aesthetic requirements for interior design have also increased [1]. Therefore, this article focuses on how to apply humanized design ideas to interior design, thereby contributing to scientific research to improve the domestic level of interior design.

2. Conceptual interpretation of humanized design

The design of indoor space aims to improve the use function of the building, beautify the internal environment, and improve people's satisfaction. When carrying out interior design, the basic principles of architecture should be adopted to carry out interior decoration in accordance with the characteristics of the building itself and the needs of users. In interior design, it is necessary to create both a beautiful physical space and a warm spiritual space. The design of a humanized indoor space should not only meet basic functions, but also better express the aesthetic feeling of the space and define beauty more clearly. Interior design is very important for buildings, as it is the primary standard for improving the overall effect of buildings. Taking the World Expo in Barcelona, Spain, as an example, the German pavilion is based on the dynamic changes between people and objects. As people enter the pavilion, as the tour route continues, they have observed the overall view of the pavilion from various angles, displaying the interior scene of the pavilion from multiple levels and aspects. In the use of space, the designer has skillfully divided and designed the space, creating a limitless aesthetic feeling in the limited space, allowing the entire space to present a smooth and rhythmic aesthetic feeling [2].

In some indoor environments, in order to meet the needs of users, some machines and equipment are usually installed, and these machines require power and steam to drive them. Therefore, when designing an interior, designers must take all safety factors into account and isolate them from the room to avoid noise and toxic gas pollution. Carry out safety tests during the design process to ensure the

overall design. In addition, the placement of devices also takes up a certain amount of space, so it is necessary to design the space occupied by the device reasonably to achieve the overall aesthetic feeling. In addition to adopting safety regulations and specifications, corresponding measures should also be formulated for emergency situations. Under certain specific conditions, water and power outages may occur, so designers must take emergency measures in emergency situations, such as escape routes, emergency lights, and so on. In addition, designers also consider the needs of special groups. When disabled people need to rest, indoor facilities must meet the needs of specific groups, thereby achieving the goal of barrier-free design.

The connotation of humanization is not single, and its connotation is ever-changing. However, in the final analysis, it is necessary to put people first and meet the basic characteristics of people's physiology, psychology, and spirit in order to truly embody humanization. Physiologically, humanization refers to whether the human body feels uncomfortable, and for indoor environments, it refers to whether the designed environment will bring physiological comfort to people; psychologically, humanization refers to whether the body feels uncomfortable, and whether there are indirect negative reactions can be judged based on the body's feelings. Spiritually, humanization is established on the basis of the body and psychology, which is a positive response from the body and psychology, and a sublimation of the soul. This is a supreme and ultimate goal. Modern people's thinking and behavior are becoming increasingly open, and people want to add new elements to the interior, not only to meet the needs of life, but also to have a personal personality. Everyone wants a unique living environment. Therefore, traditional design has been unable to adapt to the needs of modern society, and in interior design, it is necessary to reflect individuality. "Everyone has different interests, and if personalization cannot be reflected in the design, it will become a common living environment that cannot meet people's needs." Personalized design not only reflects the personality of the occupants, but also makes the unique living environment a highlight in the living environment, making people's mental state better [3]. Sustainable development is the fundamental principle of world economic development. In today's society, the environment is getting worse and worse, and people are paying more and more attention to environmental protection, hoping for less pollution in their lives. Therefore, in interior design, both environmental protection and user satisfaction should be emphasized. In humanized interior design, the concept of low carbon environment must be emphasized.

3. Application principles of humanized design ideas in interior design

3.1 Environmental protection principles

In interior design, environmental friendliness is a very important principle. Nowadays, with the continuous deterioration of the environment, environmental protection has received increasing attention. Therefore, in interior design, it is necessary to minimize the waste of resources and improve the utilization rate of resources as much as possible. Attention should be paid to environmental protection and energy conservation factors. The concept of green ecological design believes that the environment is a fundamental prerequisite for all design activities. If this premise is not considered, then regardless of whether it is consistent with traditional design concepts, it is a failed design. The biggest difference between green interior design and traditional interior design is that it focuses not only on visual forms, but also on the impact of the internal environment on human and natural ecology. In the design of buildings and internal spaces, people think more from a visual perspective, such as the volume, proportion, and surface materials of buildings; Structural details, and ecological architectural design buildings may break through conventional requirements and be measured more from the perspective of meeting ecological needs. The need for ventilation, lighting, sunlight, and other aspects is the primary issue for buildings, and its location and shape are not simply determined by traditional forms. You can also add a shutter curtain outside a large glass window, or use a large area of solar panels [4]. In the aesthetic evaluation of green ecological buildings and indoor spaces, a new dimension - ecological ethics - has been added compared to the traditional space-time dimension.

3.2 Comfort principle

Due to the different living environments, people's psychological conditions and needs are also different, so the humanized interior design idea can well meet people's needs. The comfort level of the living environment is the most direct feeling of people. Therefore, in interior design, it is necessary to consider the comfort level of users, from visual, psychological, behavioral, and other aspects. Only this kind of interior design can make people satisfied, and only in this way can the design of interior space

be reasonable. The correct handling of the relationship between people and space should not only take into account people's different needs, but also take into account people's psychological needs in indoor space design. People are the earliest feedback of space design, and the emotions and thoughts that people experience in their activities in space are the most fundamental elements that must be considered when conducting space design. At the same time, space is also the extension and expression of time, so there should be timeliness and continuity in the design of space. The layout of indoor space mainly includes center, direction, and field. The combination of these three forms endows space with a four-dimensional character, which is manifested in the experiential activities of people in space, from which people also derive certain psychological needs. In a living environment, the most important thing is comfort and warmth. Even if the most advanced technology is used, but if it does not give a warm feeling, it is a simple mechanical combination, without any practical value [5]. Therefore, when conducting interior design, it is necessary to fully consider the impact of various factors such as light and sound to meet people's requirements for living space and the surrounding environment.

3.3 Safety guidelines

Safety is the cornerstone of humanized interior design. All design must be based on safety in order to make the design of interior space possible. Only on the premise of safety can higher goals be considered. When designing interior spaces, various safety issues should be fully considered to avoid potential safety hazards. Once a safety issue occurs, it will have consequences that cannot be borne. Many interior designers are not satisfied with this, mainly because the harmful gases generated during the decoration process can be difficult to eliminate for a while, and this environment is also very harmful to users. Therefore, when conducting interior design, attention must be paid to the selection of materials; In addition, the indoor layout should also be rationalized to avoid poor ventilation in the bedroom, unreasonable french window, narrow walkways, etc. Therefore, certain interior designs that have an impact on safety must be eliminated. During decoration, do not use any dangerous and sharp objects, and protect them when necessary. In addition, the most crucial thing is the bearing capacity of the house. If the residents want to demolish the walls, they must ensure the safety of the house. Overall, security should be the foundation of everything.

4. Exploration of humanized design ideas in interior design

4.1 Comprehensive use of colors

Everyone has their own preferences, different colors represent different personalities, and the needs for colors are also different. Color is an expression of interior design, which is a direct visual experience. Humanized interior space design can create different feelings through color differences to meet people's psychological needs. Humanized interior design functions can be embodied in different colors, such as using cool colors such as white in the library to create a peaceful atmosphere; Use deep colors in bars to create a mysterious atmosphere.

4.2 Give full play to the role of lighting

In humanized interior design, the design of lighting should meet the needs of users. Indoor lighting should be designed to facilitate people's daily life, as well as to meet their various indoor activities, fully considering the needs of residents and methods of using space. For example, some residents like to have sufficient indoor light, but they should keep the curtains closed tightly after closing them to ensure people's sleep. Adequate lighting should be provided in areas where residents often go in and out. In the humanized internal design, attention should also be paid to environmental protection and resource conservation [6].

4.3 Pay attention to the internal spatial layout

The shape of the occupants and the design of the living environment complement each other. In interior design, it is necessary to fully consider the harmony between people and space, so that the physical and mental activities of residents can be satisfied. For example, compared to the body size of Western countries, our body size is smaller, and we need to make some adjustments in design and spatial layout. The humanization of design is linked to human needs, both visually and behaviorally, and should be a normal human behavior. Moreover, in modern design, in order to achieve visual impact,

the requirements for designers are increasingly high. In the design of indoor layout, dynamic and static, dry and wet separation should be considered. In indoor space design, it is necessary to make full use of space to maximize the utilization of space. Design methods such as stair surround and window recessed walls are used to give full play to the advantages of space and reflect the humanized design philosophy. Through various forms of furniture design such as geometry and curves, different designs are made according to the needs of users. In the design of furniture, attention should be paid to color matching, lighting, comfort, and the most critical safety.

4.4 Reasonable selection of indoor decoration materials

In the current indoor design practice, in order to achieve the ideal green design concept, it is necessary to master the reasonable selection of indoor decoration materials. In the entire process of interior design, decoration materials are the basic and prerequisite conditions, and the materials selected have a significant impact on the effectiveness of interior design. Therefore, designers should pay attention to their rationality when selecting materials to ensure that the materials selected are consistent with the needs of interior design work, so as to achieve satisfactory results in interior design. According to the concept of green design, current indoor design should choose recyclable materials with low environmental impact as much as possible. Before carrying out the design, relevant software must be used for calculation and analysis, and the appropriate materials must be selected based on the analysis results to achieve scientific and reasonable purposes. In the selection of materials, it is necessary to consider not only the cost of materials, but also the humanized design concept. It is necessary to ensure the quality of the product, also consider the internal design needs, and select as cheap materials as possible, in order to reduce the cost of materials and achieve better results.

4.5 Reasonable use of greening

In interior design based on humanized design ideas, attention should be paid to the rational use of green plants, which is necessary for the concept of humanization. As an interior designer, when conducting interior design, it is necessary to select green plants based on the specific situation and design requirements of the interior. When selecting green plants, it is necessary to select them based on different plant types and functions, choose plants that can purify the air, and ensure that the variety of plants matches the indoor environment, making the indoor design more diverse, while also improving the indoor environment, achieving the goal of green environmental protection. On this basis, it is necessary to strengthen the management of green plants, ensure their healthy growth, and enable them to play their due role. The basic principle of green interior design is to protect the ecological environment of the Earth. Its goal is not to conquer nature, but to create a beautiful and comfortable architectural environment without damaging the Earth's ecology. In design, the concepts of formal beauty such as composition, rhythm, and contrast are rare. However, under current technical conditions, they tend to change naturally and grow more in nature. For example, the stilted buildings in Yunnan and the roofs in Russia are all determined by the natural environment. Although the materials of these houses are rough and the structure is simple, they give a sense of being skillful and clumsy. Traditional earth covered buildings and local buildings borrow natural greening and water bodies; Realize the design of ecological buildings in the indoor environment through ventilation, thermal storage characteristics of materials, etc., as the main expression of ecological aesthetics. "The interior and exterior of ancient Chinese buildings can reflect each other, dividing the internal space through fans, screens, etc., and communicating through windows. The pavilion and certain specific halls can be opened directly to the outside."; Integrate small indoor spaces with nature. The ecological beauty of the building and internal environment should be judged not only from the appearance, but also from the overall ecological and visual aspects. In ancient China, people advocated the "unity of heaven and man". During the traditional self satisfied small-scale peasant economy, people relied on nature and were close to it. Confucius said, "The benevolent Leshan, the wise like water"; Laozi said, "Man follows the earth, the earth follows the heavens, and the heavens follow the Tao"; The simple philosophy of "Tao follows nature" has had a profound impact on China's architecture and indoor environment.

4.6 Reasonable use of greening

Greenization refers to the use of high-tech technology to transplant green ecosystems into the interior of buildings, which can effectively improve indoor air quality, but also play an ecological aesthetic effect, with a "softening" effect on the rigidity of buildings. At the same time, it can also be

multi-layer, such as balconies, roofs, or even exterior walls. In practical environments, sound, light, and heat are all controlled by physical parameters. The development of modern computer technology not only enables accurate and automated control of various parameters, but also enables simulation of indoor environments using virtual technology, thereby forming an autonomous and intelligent ecosystem between buildings and indoor spaces. The application of intelligent technology can monitor and analyze various indoor data in real time, such as the indoor thermal environment and humidity, so as to reasonably adjust the opening time of the air conditioner, which is also a manifestation of greening. Ecological high-tech bionics is completely different from ordinary visual effects. It is a kind of technological bionics that can simulate the physiological characteristics and ecological laws of organisms, allowing for a better integration of the "biological characteristics" of buildings and indoor environments [7]. High technology is the key to achieving "green" design, but this does not mean that "green" indoor spaces must rely on high technology. Compared to high-tech, low technology has the characteristics of economy, convenience, and strong regional characteristics. Louis Kang, who returned from Africa, said, "I have seen many aboriginal cottages that are very useful, but without architects. I am very moved that humans can be so smart about the sun and wind and rain." In many traditional local buildings, some seemingly simple technical methods still play a significant role. Unlike current technology, these things are both good and inexpensive, and can be achieved with just a few tips. There are many traditional energy-saving and environmentally friendly buildings in China, and many of them use low tech methods such as physical phenomena to improve indoor space. These are all worthy of our reference.

5. Conclusion

Currently, interior design at home and abroad is people-oriented, and it is necessary to follow humanized design principles and strategies, while taking into account factors such as age, personality, and gender of different people. Explore the application of people-oriented design ideas in interior design, adding a new color to the development of interior design. At the same time, it is also expected that designers can integrate their design experience and professional knowledge into humanized indoor buildings to meet the needs of users and provide them with a better living experience. Only in this way can we truly promote the development of indoor space and fully satisfy people's hearts.

References

- [1] He L W. *On the Application of Humanistic Design in Interior Environmental Art Design [J]. Residence*, 2022, (3): 27-29.
- [2] Lu Y. *The Application of Humanistic Design in Interior Environmental Art Design [J]. Dagan*, 2021, (10): 41-42.
- [3] Chen L S. *Preliminary Study on the Application of Humanistic Design in Interior Environmental Art Design [J]. Grand View of Art*, 2020, (18): 53-54.
- [4] Zhang Z S, Zhang R. *Research on the Application of Humanistic Design in Interior Environmental Art Design [J]. Shanxi Youth*, 2019, (10): 278.
- [5] Liu W. *An Analysis of the Application of Humanistic Design in Interior Environmental Art Design [J]. Theoretical Research on Urban Construction (Electronic Version)*, 2019, (5): 59.
- [6] Liu D Y. *Research on the Application of Humanistic Design in Interior Design [J]. Theoretical Research on Urban Construction (Electronic Version)*, 2017, (21): 114.
- [7] Zhang Z H. *Discussion on the Application of Humanistic Design in Interior Environmental Art Design [J]. Modern Decoration (Theory)*, 2016, (11): 40-41.