

Regional governments and relevant departments need to hold regular meetings to summarise and analyse their previous work and accumulate a wealth of experience, so that they can develop more correct solutions in the subsequent development of the service system. Monthly professional meetings can be organised so that psychologists can exchange ideas and learn from each other. In addition, community workers could also provide home visits to residents, so that mental health services can be provided to people with limited mobility.

**Conclusion:** In conclusion, the construction of a mental health service system is a very important part of the development of society today, and the government departments in all regions attach great importance to this work, which will become more professional and standardised in the future.

#### **Acknowledgements**

The study was supported by the Course construction project of social work theory of Lanzhou University graduate course system improvement plan in 2021.

\* \* \* \* \*

## **THE MUSICAL CHARACTERISTICS AND SPIRITUAL AND ARTISTIC VALUE OF THE YUDONG RAMMING SONG BASED ON PSYCHOLOGY**

**Yanmei Wang**

*Shangqiu Normal University Conservatory of Music, Shangqiu, 476000, China*

**Background:** The ramming song is an art form of folk music, which is mainly produced in the process of collective production work. Under different regional conditions, influenced by the differences in local musical characteristics, language characteristics and the structure of labour types, the resulting ramming song varies and shows more obvious local characteristics and regional features. The presence of this musical form in the actual labour activity makes the movements more uniform and allows the workers to concentrate their efforts on the collective work. In China, some of the most representative labour songs include the dockers' horn, the fishermen's horn, and the Yangtze boatmen's horn.

The ramming song is a folk song that has been handed down to the present day in China, and is usually sung during the collective ramming work of civil engineering, including the strengthening of city walls, the construction of rivers, and the construction of houses. In the actual singing process, it is more likely that one person will lead the song and the crowd will cater to it, relying on a unified rhythm to enhance the collective level of exertion. In the field of music and art research, there is relatively little research on ramming songs as a folk music art form, and protection efforts have remained at a low level for a long time. For the ramming songs of Yudong, even fewer research results exist.

The eastern part of Henan Province covers three prefecture-level cities, namely Zhoukou, Shangqiu and Kaifeng, as well as several counties (cities) under the direct control of the province, including Luyi, Lankao and Yongcheng. For the Yudong ramming song, the history of its development is relatively long, with relevant historical records dating back to the Han Dynasty. In the note in the Book of the Continuing Han Dynasty - County and State Records II, which is cited in the Records of the Earth, "King Liang Xiaowang built a city of twelve miles, and sang a small drum under the festival and harmonised with it, calling it Ju Yang Qu" is an expression of the ramming song of Yudong. In the Song Shu - Music Zhi I, there is also a record of the ramming song in Yudong, namely, "The one who built the city under the crushes came from King Xiaowang of Liang, who built the city of Weiyang, which was 13 miles square. When he built the city, he advocated the sound of a snare drum as a festival, and the builders of the building put down the crushes to harmonize with it, and later generations called this sound "Ju Yang Qu", which has been passed down to this day. In the current study, it is generally agreed that the Ju Yang Qu is a relatively early documentary clue to the ramming songs of Yudong. In this study, we will take this as the starting point for our research, and start from a psychological perspective, relying on documentary research and theoretical overviews to dig deeper and analyse the musical forms and artistic and spiritual forms of ramming songs in Yudong.

**Objective:** At this stage, the Yudong ramming songs have gradually formed a relatively complete musical system through the research and studies of experts and scholars over the years, and the recording and translation of the corresponding repertoire has been gradually completed. On this basis, it is necessary to refine the study of the ramming songs of Yudong, and to dig deeper and summarise the regular features and characteristics contained in them. In this study, a comprehensive analysis of Yudong ramming songs is carried out, mainly from a psychological perspective, combining the development

background of Yudong ramming songs and the analysis of representative musical works of Yudong ramming songs, to analyse the musical characteristics and spiritual and artistic values of Yudong ramming songs. At the same time, through the analysis of the actual musical melodies of the representative musical works of Yudong ramming songs, the musical characteristics, musical values, spiritual characteristics and national psychological contents contained in them are excavated and analysed in depth, based on which the spiritual and artistic values of Yudong ramming songs are determined, providing a reference for exploring the optimal development path of the inheritance of Yudong ramming songs. In addition, this study mainly relies on the in-depth excavation and sorting of the actual musical characteristics and spiritual and artistic values of the representative musical works of Yudong ramming songs, to provide a more adequate methodology for the singers to perform the representative musical works of Yudong ramming songs, to enrich the research on the relevant contents of Yudong ramming songs, and to provide strong support for the better inheritance and development of Yudong ramming songs and regional art and culture.

**Subjects and methods:** The main ideas of this study are shown as follows: firstly, to restore the soil from which Yudong ramming songs were produced, and to complete the analysis and study of the musical characteristics as well as the spiritual and artistic values of Yudong ramming songs, starting from the production of Yudong ramming songs, the development status of Yudong ramming songs, and the national psychology. Secondly, the representative musical works of Yudong ramming songs are selected, and the artistic features and musical characteristics of Yudong ramming songs are comprehensively analysed according to their singing forms, rhythmic characteristics, lyrical content and tunes, and song structure. At the same time, the spiritual and artistic values of Yudong ramming songs are explored in depth in terms of their artistic performance value, aesthetic value, spiritual connotation and humanistic value, so that more people can experience the unique charm of Yudong ramming songs and achieve a deeper knowledge and understanding of Yudong ramming songs and the psychology of ethnic groups in the Yudong region.

The research methods used in this study are as follows: Firstly, the literature survey method is used, in which research literature, books and materials related to ramming songs in Yudong are searched for, and relevant literature on the musical culture of ramming songs in Yudong is collected and analysed comprehensively and explored in depth. The second method is musical analysis. The representative musical works of Yudong ramming songs are selected for analysis, and a comprehensive musical analysis is carried out on the singing form, rhythmic characteristics, lyrical content and tune of the corresponding ramming song works, as well as the structure of the song. The third method is case study analysis. The analysis is based on the analysis of classical works and extends to the overall analysis of Yudong ramming songs.

**Result:** In this study, a comprehensive analysis of Yudong ramming songs is carried out from a psychological perspective, taking into account the background of the development of Yudong ramming songs and the analysis of representative musical works of Yudong ramming songs, and summarising the musical characteristics and spiritual and artistic values of Yudong ramming songs. At the same time, based on the selection of representative musical works and the analysis of the actual musical melodies, the musical characteristics, musical values, spiritual features and national psychological content contained in Yudong ramming songs are explored and analysed in depth, based on which the spiritual and artistic values of Yudong ramming songs are determined, thus providing a reference for exploring the optimal development of the inheritance of Yudong ramming songs. In addition, the in-depth excavation and analysis of the actual musical characteristics and spiritual and artistic values of the representative musical works of Yudong ramming songs provides a more adequate methodology for the singers to perform the representative musical works of Yudong ramming songs, enriching the research on the relevant contents of Yudong ramming songs and effectively supporting the better inheritance and development of Yudong ramming songs and regional art and culture. The study found that Yudong ramming songs are well sung in the region, and that people are able to show pleasure, confidence and a sense of attachment when singing Yudong ramming songs. The Yudong ramming song is a form of folk music that has been handed down in the Yudong region over a long period of time, preserving the traditional style characteristics of Yudong folk music, and also revealing the deepest, broadest and most fundamental spiritual confidence of the people of the Yudong region in the Yudong ramming song, showing the unity and cooperation, positive optimism and collective work of the working people of the Yudong region, and reflecting the It is a reflection of the struggles of the working people of the Yudong region and the most enduring, fundamental and optimistic spiritual power to change their lives and create the world.

**Conclusion:** The Yudong ramming songs are a treasure, and after a long period of development and countless storms, they still show their unique artistic charm and spiritual value today. In the ramming songs of the Yudong region, one can feel the temperament, group mentality and aesthetic concepts of the people of the Yudong region, which have always retained their artistic charm and charm close to the lives and hearts of the working people of the Yudong region during their long development. It can be said that

it is the development history, the customs and the special environment of the Yudong area that has created the Yudong ramming songs. Local folk songs have obvious local characteristics and contain rich local spiritual resources, which can show the psychology and living conditions of local ethnic groups and have great value for exploration. In the case of Yudong ramming songs, the singing form, rhythmic characteristics, lyrical content and tunes, and song structure of the corresponding works are all more elaborate and have a high value of exploration, which can achieve a more vivid and vivid display of the musical and spiritual content, group psychological connotation, daily and working life, customs and habits of the local people and ethnic groups in Yudong.

The Yudong ramming songs have unique musical characteristics and spiritual and artistic values, and the analysis of these contents enables the deeper excavation and appearance of the psychological and spiritual connotations of the group in the Yudong ramming area, providing more reference support for music learners and relevant singers to start learning and performing Yudong ramming songs. At the same time, in order to better realise the inheritance and transmission of Yudong ramming songs, it is necessary to effectively grasp the artistic performance value, aesthetic value, spiritual connotation and humanistic value of Yudong ramming songs, so that more people can feel the unique charm of Yudong ramming songs, and also realise a deep knowledge and understanding of Yudong ramming songs and the psychology of the ethnic groups in the Yudong region. While preserving the ramming songs of Yudong, it is also important to think deeply about how to promote their development and transmission, and to explore a suitable direction for the development of ramming songs in Yudong, taking into account the historical development of ramming songs in Yudong and the laws of development.

\* \* \* \* \*

## RESEARCH ON THE RELATIONSHIP BETWEEN ARTIFICIAL PSYCHOLOGY AND INTERNET OF THINGS TECHNOLOGY

Yongxi Wang<sup>1</sup>, Mei Hu<sup>1</sup> & Wei Wang<sup>2</sup>

<sup>1</sup>*School of Electronic Information Engineering, Lanzhou Institute of Technology, Lanzhou, 730050, China*

<sup>2</sup>*School of Marxism, Lanzhou Institute of Technology, Lanzhou, 730050, China*

**Background:** The 21st century is a new era into information technology, smart city, 5G communication technology, Internet of Things technology, 3D display, enhanced display technology, cloud computing, energy saving of motor system, etc. have become a variety of technologies affecting China at present, and IoT technology, as one of them, has naturally transformed into a topic of concern and hot discussion, with more diverse related research and application. The ultimate goal of IoT technology is to provide better intelligent services for human beings, to meet various needs of people and to let them enjoy a better life. To achieve these goals, it is impossible to add sensors to the Internet alone, and highly intelligent processing technology is required. As a cutting-edge intelligent processing technology, artificial psychology is also gradually coming to maturity with the help of the Internet of Things.

**Objective:** The main objectives of this study are: firstly, to provide a clear excavation and analysis of the realistic level of development of artificial psychology and IoT technology and the related technological achievements through the analysis of the main elements of artificial psychology and IoT technology. Secondly, to explore in depth the relationship between artificial psychology and IoT technology, and to identify common paths for the integration of artificial psychology and IoT technology at this stage. Thirdly, a deeper analysis of the integration of artificial psychology and IoT technology is implemented in the context of real-life application cases, and the real-life scenarios and main functions of the integration of artificial psychology and IoT technology are refined to promote the continuous deepening of the integration of artificial psychology and IoT technology.

**Subjects and methods:** The main ideas of this study are shown as follows: firstly, digging and analysing the definition of concepts related to artificial psychology, artificial emotion and IoT technology, the realistic development background and situation, and completing the analysis and research on the integrated application of artificial psychology and IoT technology from the perspective of artificial psychology and IoT technology. Second, to explore the relationship between artificial psychology and IoT technology, the necessity and feasibility of combining the two, as a basis for exploring the main ideas of the integration of artificial psychology and IoT technology. Thirdly, to select real-life scenarios of the integration of artificial psychology and IoT technology, and to explore the main functions of the integration of artificial psychology, artificial emotion and IoT technology, in order to provide support for the subsequent better development of the technology level.