

and emotions and stimulate students' interest in learning to a certain extent. For a long time, vocal music teaching only pays attention to the training of sound skills and ignores the role of regulating "emotion" and "mental environment" in vocal music teaching, which inhibits students' interest and internal potential in learning vocal music to varying degrees. This paper will use mental knowledge to analyze the role of mental pressure in vocal music singing and the impact of music singing on vocal music singing from all aspects. Combine the application of singing skills with the enthusiasm of mental games to better complete the creation of vocal music art.

Key words: sing - psychology - vocal music teacher - mental quality

* * * * *

INTERACTIVE ANALYSIS OF EMOTIONAL AND INTELLIGENT HEALTH MANAGEMENT IN ELDERLY PRODUCT DESIGN CENTER

Fangui Zeng^{1,2} & Tien-Li Chen³

¹College of art design, Hunan Institute of Engineering, Xiangtan, Hunan, 411104, China

²College of Design, National Taipei University of Technology, 10608, Taipei, Taiwan

³Department of Industrial Design, National Taipei University of Technology, 10608, Taipei, Taiwan

With the development of the times, people are more and more inclined not to have children. Population aging has become a social problem that must be faced. Especially when China's social economy is still underdeveloped, social infrastructure, medical supporting facilities, social welfare and old-age security facilities are relatively backward, which has brought many troubles to the life, mental disorder, travel and medical treatment of the elderly, and even affected their normal life. The elderly are social groups that need emotion. The traditional ice-cold professional equipment has been unable to meet their needs. Emotional products emerge as the times require. The design of products should start from their psychology and needs, seek the wishes of the elderly psychologically, and meet their needs emotionally, so as to close the distance between products and people. We should endow the cold and depressed rehabilitation products with emotion, reduce the pressure and burden of elderly rehabilitation, and endow the rehabilitation products with humanistic emotion, so that the patients will have psychological pleasure and relaxation during rehabilitation, and the rational treatment equipment will become warm and full of emotion, so that they can feel the care of human nature in the. The importance of mental health in interactive design is self-evident.

Key words: aging - hommization - emotionalization - intellectualization

* * * * *

A NEW DISCUSSION ON THE GENERALIZATION OF ECOTOURISM FROM THE PERSPECTIVE OF PSYCHOLOGICAL DEMAND

Tianchang Chen¹ & Lu Qian²

¹School of Humanities and Social Sciences, Yancheng Institute of Technology, Yancheng, 224000, China

²School of Geography and Tourism, Anhui Normal University, Wuhu, 241000, China

In the context of sustainable development, ecotourism aims to achieve the development balance among economy, environment and society. The purpose of this paper is to summarize the core theory of community-based ecotourism psychological demand through literature review, and reveal the key to the successful realization of community-based ecotourism. We analyze the motivation of psychological needs. Natural scenery, leisure and health have become the three most important needs of tourists. Needs before the realization of fuzzy characteristics, and in the realization process of different tourists to the same scenery will have different experience. The ultimate goal of tourism operators is to meet the psychological needs of tourists and pursue the maximization of current interests. The cultural mechanism of psychological needs is the shaping of tourists' consciousness by social culture, such as the imperfect credit system, the lack of environmental protection culture and so on. Through the analysis of psychological needs by consciousness and unconscious, it is believed that the deep-seated motivation of ecological tourists is to make up for the lack of spirit, so people's yearning for nature is strong and

aboriginal. However, there is a serious lack of social culture in shaping people's behavior, which makes people bring the bad behavior of 'living society' to the tourist destination in the tourism process. However, psychological needs are fuzzy, so people's needs can be guided. To promote the stable and sustainable development of ecotourism, it is necessary to deeply analyze its management mode, find out the management mode suitable for its development, and put forward effective solutions to the problem of tourism generalization.

Key words: ecotourism - tourism publicity - tourism decision

* * * * *

MOBILE FITNESS PRODUCT DESIGN BASED ON SITUATIONAL AWARENESS

Zijing Guo & Paul Knight

Department of Education, University of Nottingham, Nottingham, NG7 2RD, United Kingdom

Under the background of prominent national health problems and the outbreak of beauty economy, the scene of family intelligent fitness has attracted much attention. Based on the theory of heart flow, an in-depth study on the family fitness behavior and related needs of young women is helpful to tap the potential development opportunities of family intelligent fitness products. At present, most mobile fitness applications on the market have rich and diverse fitness functions, provide new ways and ideas for users' fitness, and bring great changes to the fitness field. As an important part of human production activities, people's travel activities have gradually improved the functional requirements of navigation and product experience. Through the design practice test, the reliability of the interactive scheme of mobile health monitoring products driven by situational awareness is verified. Situational awareness driven design can effectively improve the product experience and interaction efficiency, and bring more intimate and convenient health services to users.

Key words: situational perception - situational perception - health monitoring - mobile Internet

* * * * *

THE DEVELOPMENT OF INTELLIGENT SPORTS IN PUBLIC PHYSICAL EXERCISE AND EASE MENTAL STRESS

Tingting He¹, Jin Liu² & Lei Zhou³

¹College of Physical Education, Jiangxi Normal University, Nanchang, 330027, Jiangxi, China

²College of Music, Jiangxi Normal University, Nanchang, 330027, Jiangxi, China

³College of Business Trade, Nanchang Institute of Science & Technology, Nanchang, 330108, Jiangxi, China

Mass physical exercise refers to the use of various sports facilities, combined with natural forces and health measures, in order to develop the body, improve health, enhance physique, regulate spirit and enrich cultural life. Smart sports has the characteristics of more thorough perception, more comprehensive interconnection and interaction and deeper intelligence. In order to promote the construction of smart sports venues and facilities, start with increment and use emerging technologies to promote the construction of smart fitness trails, smart sports parks and smart fitness venues. From the perspective of stock, integrate scientific and technological means such as intelligent sensing system, big data and cloud computing into traditional venues and facilities, realizing intelligent monitoring exercises physiology and psychology, and build a national fitness big data platform. Use new technologies such as cloud computing, Internet of things and artificial intelligence to break the phenomenon of "data island", build a national fitness big data platform through resource integration, data sharing and interconnection, and Improving the Scientific Ability of Public Health and Mental Health Monitoring. With the development of smart sports, the enthusiasm of the whole people to actively participate in public physical exercise is increasing day by day. The research on sports and Ease mental stress has become a hot spot. People believe that physical exercise has a positive impact on people's Ease mental stress.

Key words: literature - smart sports - public sports - Ease mental stress

* * * * *