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Topic of the Speech:
Research on the Costume Structure and 3D Restoration of the
Tomb Mural of YanFei

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Professor Yongmei Deng, the professor in the School of Fashion and Art Design of Xi'an Poly-technic University, with research interests in the research and development of intelligent wearable clothing, cultural and creative product design and development, and functional clothing design and evaluation.

She has received one Second Prize of the Excellent Achievement Award of Humanities and Social Sciences Research in Shaanxi Higher Education Institutions. She has received 2 first-class and 1 second-class prizes for teaching achievements at provincial and ministerial level. She has under-taken more than 10 provincial and ministerial vertical projects, and published more than 70 aca-demic papers in academic journals such as Fibers and Polymers, International Journal of Clothing Science and Technology, Textile Research Journal and Textile Bioengineering and Informatics Symposium. Obtained 5 patents. Reviewer of journals such as Textile Research Journal and Tex-tile Bioengineering and Informatics Symposium.

She served as chairman of Silk Professional Committee of Shaanxi Textile Engineering Society, executive deputy director of Shaanxi Education Statistics Research Center, member of Shaanxi Provincial Political Consultative Conference, member of the Central Committee of the Chinese Revolutionary Committee and other social positions.

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ABSTRACT (NO MORE THAN 500 WORDS:)

Based on the image and textual data of the Tang tomb murals, this paper analyzed the characteristics of the shape and structure of the costumes in the Tang tomb murals from the perspective of garment engineering. The size of each part of the costumes will be inferred using proportion method, and a set of formula for calculating the size of costume will be compiled, and the 3D virtual technology will be used to digitally restore the costumes of the Tomb Murals of YanFei. Research results show that the style and structural characteristics of the costumes from the Tomb Murals of YanFei conform to the costume characteristics of Tang Dynasty, the restored objects have typical characteristics, and the proportion method is feasible to predict the size relationship of costume.