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Qijun Zhao is currently a professor in the College of Computer Science at Sichuan University. He obtained his B.Sc. and M.Sc. degrees in computer science both from Shanghai Jiao Tong University, and his Ph.D. degree in computer science from the Hong Kong Polytechnic University. He worked as a post-doc research fellow in the Pattern Recognition and Image Processing Lab at Michigan State University from 2010 to 2012, and as a visiting professor at Tibet University from 2019 to 2020. His recent research interests lie in animal biometrics and 3D face modeling and recognition. Dr. Zhao has published about 100 papers in academic conferences and journals, including CVPR, ECCV, AAAI, ICB, IEEE TPAMI, IEEE TIFS, and PR, and been granted for about 10 patents. He is the principal investigator for projects funded by NSFC, the National Key Research and Development Program of China, and many projects funded by companies. Dr. Zhao is a reviewer for many renowned field journals and conferences, and awarded as excellent reviewers for CVPR 2020. He served as a program committee co-chair for the CCBR 2016, and ISBA 2018, as a face recognition area co-chair for the BTAS 2018, and the IJCB 2021, and as an associate editor of Chinese Journal of Image and Graphics.

Speech Title: "Animal Biometrics: To Better Know Animals Using Visual and Audio Computing Technology"

Abstract: It is of significant importance to know the population size and distribution of animals, and the behaviour and status of individual animals in ecological monitoring and protection, precision agriculture and animal husbandry. Traditional methods such as field work, manual investigation, and electronic tags are laborious and expensive for operators or intrusive and unfriendly for animals. It is thus highly demanded to develop automatic animal biometric methods for animal detection and recognition. This talk will introduce our attempts with visual and audio computing technology towards this end in the past three years, including individual identification of red pandas, tigers and yaks, breeding behaviour analysis of giant pandas, object counting, and animal 3D modeling. Related outputs have been published on CVPR, ICCV Workshop, ACM MM, ACCV, IJCB and Global Ecology and Conservation, and granted four Chinese patents.