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Zihui Lai gained the PhD degree in pattern recognition and intelligence system from Nanjing University of Science and Technology (NUST). He has been a research associate, postdoctoral fellow and research fellow since 2010 at The Hong Kong Polytechnic University. He has published over 100 scientific articles. He won the best paper award in 2008' Chinese Conference on Pattern Recognition. He was recognized as Overseas High-Caliber Personnel of Shenzhen (Peacock Plan) in 2015. Now, he is a professor of the College of Computer Science and Software Engineering, Shenzhen University, and associate editor of International Journal of Machine Learning and Cybernetics.

Speech Title: "Deep Supervised Hashing with Anchor Graph"

Abstract: Due to the high computation cost, previous deep hashing methods usually select a subset from the training set to update the deep model. Therefore, the remaining labeled data cannot be fully utilized and the model cannot directly obtain the binary codes of the entire training set for retrieval. To address these problems, this talk will introduce an interesting regularized deep model to seamlessly integrate the advantages of deep hashing and efficient binary code learning by using the anchor graph. As such, the deep features and label matrix can be jointly used to optimize the binary codes, and the network can obtain more discriminative feedback from the linear combinations of the learned bits.