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Kurban Ubul, Professor, Doctoral supervisor, Director of China Image and Graphics Society, vice chairman of Urumqi branch of China Computer Federation (CCF), member of Pattern Recognition and Machine Intelligence Professional Committee of China Automation Society (CAA-PRMI), member of Computer Vision Professional Committee of CCF (CCF-CV), member of Document Analysis and Recognition Professional Committee of China Graphics and Image Society (CISG-DIAR), member of Artificial Intelligence and Pattern Recognition Committee of CCF (CCF-AI), senior member of CCF, member of IEEE, IAPR, ACM and IAENG, director of Department of electronics, School of Information Science and Engineering, Xinjiang University. He is reviewer of TPAMI, Neurocomputing, IEEE THMs, IEEE Access, IET biometrics, IJITM and other journals. Served as TPC chair of CCBR2018 , area chair of PRCV2019, local chair of NCIG 2020, general chair of NLPAI2020, area chair of IJCB 2021, and general chair of NLPAI2021; Served as TPC member/reviewer of many conferences such as CVPR, ICPR, ICDAR, CCFAI, CCDM, NCIG and CCBR; He has hold 3 National Natural Science Foundation projects, more than 10 other projects, published more than 150 papers, 3 academic monographs, 1 work chapter, 8 patents, more than 40 computer software copyrights, and won 8 awards at the provincial and ministerial level.

Speech Title: "Keyword based Uyghur Document Image Retrieval"

Abstract: With the popularization of computer and Internet, documents are constantly digitized, and the scale of electronic documents saved in the form of pictures is becoming larger and larger. Fast and accurate retrieval of such documents is of great significance to people's work and daily life. Because the Chinese and Western OCR (Optical Character Recognition) technology has been mature, it can retrieve such documents quickly and accurately. For Uyghur, the commonly used minority language in Xinjiang, China, the problem of Uyghur document image retrieval has not been solved due to its special text structure and the relative lag of OCR technology. This lecture will briefly introduce the research history and technical overview of document image retrieval, and then focus on some main methods of Uyghur document image retrieval in recent years: image block based retrieval method, keyword based method, hierarchical matching based retrieval method, spatial relationship based retrieval method, etc. Finally, the remaining technical problems and future work are discussed.