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Asst. Prof. Dr. Kamil Dimililer

My research field includes digital image processing techniques applied in different fields, especially in the field of medical imaging including the identification of tumors within the cells. Artificial Neural Networks is a famous research field that is applied in my research to improve the results or make comparison. Pattern Recognition is another field of research that is included in my research.

Discrete Cosine Transform as well as Wavelet Transform based digital image compression system and the detection of compression ratio considering the numerical or statistical values of the original images is included in my previous research. The application of image compression on dermatological and bone images are included in previous research as well. Rheumatoid Arthiris Recognition System, Skin Tumor, Eye Tumor, Lung Tumor, Brain Tumor detection systems, Lung Lesion detection system are included in my field of research. Image processing techniques or image enhancement and their effects on the digital tissue images in detecting the tumors has been applied recently.

Recently, Scale Invariant Feature Transform and their effects on x-ray images, secondly the detection of various diseases on the teeth using artificial intelligence, thirdly the detection of tumors in microscopic digital images of skin, fourthly the detection of earthquake considering the structure of soil and the forecast the yearly electricity production considering the weather at last.