Introduction of the latest research on Computer Vision and my AI project experience

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Abstract:

In this talk, the speaker will introduce the latest research and some relative project experience on computer vision. A simple self-introduction will be presented at first. Then the conference situation and latest research trends of CVPR 2020 will be introduced. At the third part, research of some oral papers on ECCV 2020, including the best paper, will be described. At the fourth part, some AI project experience of the speaker at Yazaki Corporation will be proposed, including people counting, people attribute estimation, skeleton detection and pose estimation from videos captured in bus. Also, some interesting research on smart factory will be recommended, such as extraction of cycle times of the workers by video analysis, abnormal product detection by image recognition technology, and so on. Finally, some other AI project experience of the speaker at other company will be shared, including a research on near-miss detection based on driver recorder and AI technologies, and a research on text electronization based on paper health report and image processing technology, and a research on human area refinement for human detection.

Biography:

Dr. Eiji Fukuzawa, is assistant manager in AI Digital Division, Yazaki Corporation. He is also visiting researcher in Waseda University. He received Ph.D degree from Waseda University, Japan, in 2014, and received B.S. and M.S. degrees from the School of Information Science and Engineering and School of Computer Science and Engineering at China's Southeast University in 2003 and 2009, respectively. He has published more than 50 papers, including publications of the co-author. His research focuses on image processing and recognition, pattern recognition, deep learning, machine learning, etc.