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Topic: When Videos meet Intelligence: the Future of Media World

Abstract:

The rise of deep learning has led to a wave of breakthroughs in computer vision. From face recognition to object detection, there have been a number of successful stories on how AI can help understand images. Over the past several years, the CUHK Multimedia Lab has been working on extending the success of AI in image domain to videos. The techniques developed in this course have substantially pushed forward the state of the art in video analytics. In this talk, I will demonstrate our achievements in this area, and share our vision on intelligent video analytics as well as how such techniques can change the way we watch movies and the way we communicate with our friends.

Biography:

Dahua Lin received the Ph.D. degree from Massachusetts Institute of Technology (MIT) in 2012. He is an Assistant Professor at the department of Information Engineering, The Chinese University of Hong Kong. Prior to joining CUHK, he served as a Research Assistant Professor at Toyota Technological Institute at Chicago, from 2012 to 2014.

His research interest covers computer vision, machine learning, and big data analytics, and has published about sixty papers on top conferences and journals, e.g. ICCV, CVPR, ECCV, NIPS, and T-PAMI. His seminal work on a new construction of Bayesian nonparametric models has won the best student paper award in NIPS in year 2010. He also received the outstanding reviewer award in ICCV 2009 and ICCV 2011. He has supervised or co-supervised the CUHK team in international competitions and won multiple awards in ImageNet 2016, ActivityNet 2016, and ActivityNet 2017. He serves as an Area Chair of ECCV 2018.