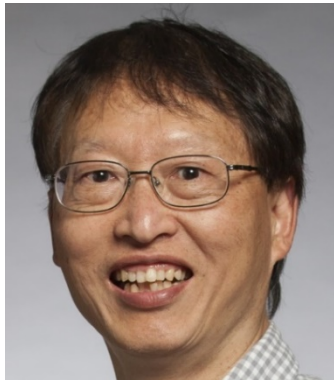


Tutorial 5: Multiple Objects Tracking (MOT) in Videos

In this 3-hr tutorial, I will cover many aspects of multiple objects (humans and cars) tracking, especially taking advantage of recent advance on deep learning for objects detectors and feature extraction, camera self calibration and SLAM based visual odometry. More specifically, the topics will cover

1. Traditional video based MOT approaches
2. CNN Detectors and MOT by Detection
3. 2D based MOT in A Static Camera
4. Camera Self Calibration of A Static Camera
5. 3D based MOT in A Static Camera
6. MOT Across Multiple Cameras without Overlapping Views
7. 2D based MOT in A Moving Camera
8. Camera Self Calibration of A Moving Camera
9. 3D based MOT in A Moving Camera
10. Coordinated MOT of multiple moving cameras
11. Various Applications of MOT technologies

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