# On-line learning for computer vision

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## Abstract

The marriage between computer vision research and machine learning has been very successful and enabled considerable progress in the last few years. In this talk I will argue that methods that can learn from data as it arrives (on-line learning) are required to face the next computer vision challenges. I will show the advantages of on-line learning but discuss also the challenges that we have to face. This will lead to methods that are called continuous learning. Throughout the talk object tracking and object detection will be used as illustrative examples.


*Keywords: Online learning, Continuous Learning, Tracking, Object detection*