

30 MIN.
de sciences

Sequential Face Recognition with Minimal Feedback



Thursday, May 2nd
Plenary Hall
1:45 pm

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Face recognition is a challenging problem in the case when the training sample is extremely small. Sometimes we have as little as a single labeled example of a face available. Fortunately in many domains, unlabeled data are abundant and easy to use, for instance when a person interacts with a computer with a camera.

This talk presents the online manifold tracking approach and demonstrate its application to online face recognition with minimal feedback. In contrast to the current methods for face recognition that build on sophisticated features, our approach is based on an adaptively built similarity graph of unlabeled samples.

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