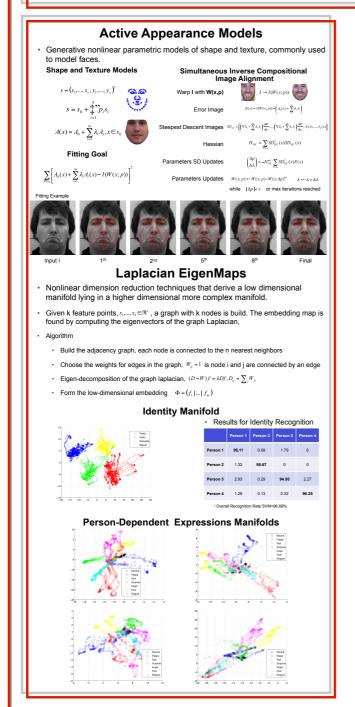
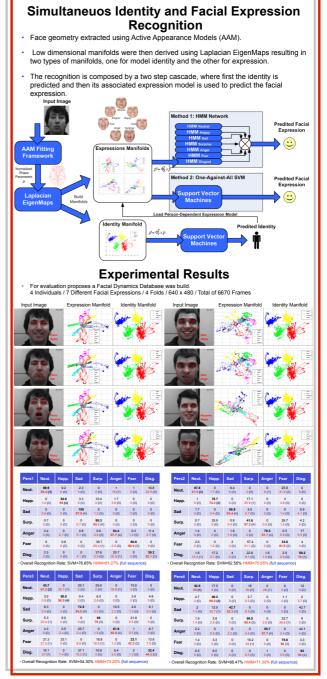
Simultaneous Identity and Expression Recognition using Face Geometry on Low Dimensional Manifolds

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- · Face geometry extracted using Active Appearance Models (AAM).
- **Abstract**
- Low dimensional manifolds were then derived using Laplacian EigenMaps resulting in two types of manifolds, one for model identity and the other for expression. The
 recognition is composed by a two step cascade, where first the identity is predicted and then its associated expression model is used to predict the facial expression.
- The identity overall recognition rate was 96.8%. Facial expression results are identity dependent, the most expressive individual achieves 81.2% of overall recognition rate.





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