

The Colorado State University Computer Science Department presents:

## Average of Synthetic Exact Filters and FaceL

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### **Abstract**

The first part of the talk will cover Average of Synthetic Exact Filters (ASEF) correlation filters. This is a new technique used to develop a simple filter that accurately locates objects in an image. ASEF is shown to be superior to both other correlation filters and other methods commonly used for locating eyes. In the second part of the talk I will demonstrate the FaceL: Facile Face Labeler. This is a real time system that uses Viola and Jones face detection, ASEF eye localization, and a support vector machine labeler.