# Special Session: Second Workshop on Face Processing in Video

Interest in face recognition as an area of research has undergone substantial growth in recent years. Researchers from diverse disciplines have attempted to understand the underlying principals of face perception and how these apply to the design of algorithms for the analysis of face images. In computer vision and pattern recognition considerable progress has been made in the design of systems that can automatically analyze faces from stills. Of late, the reduction in price and increase in quality of video cameras has also facilitated the design of systems that can automatically analyze faces from video sequences rather than from stills. The hope is that the representations obtained with such systems will not only be much richer, but will facilitate algorithm development.

This workshop seeks to presents research at the forefront of video analysis and, more specifically, as it applies to the analysis of faces. In doing so, we hope to open a debate that will help identify new opportunities and new challenges in the area.

Given the richness of both video analysis approaches and face recognition research, it is inevitable that this workshop will overlap with other emerging areas that are interdisciplinary in nature. However, the main focus of this workshop is to highlight new algorithms that have been developed to solve specific problems of face processing.

When selecting the contributions to be presented in this workshop, we aimed to provide a good balance of research areas. Three of the presented papers introduce algorithms for detecting and tracking faces in video sequences. Two papers describe algorithms to estimate the pose of the head with respect to the camera's coordinate system. Two papers define new algorithms for recognition from video. And, one paper presents an online framework for the learning and recognition of faces. The workshop will also include a poster session. The papers presented in the poster session are not included in the proceedings, but are intended to facilitate the discussion of new emerging techniques.

We would like to take this opportunity to thank the program committee for their insightful and thorough review of the submissions to this workshop. We would also like to thank the organizers of CRV 2005 and the IEEE for helping us organize this workshop and prepare the proceedings.

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