

DEALING WITH VARIABILITY FACTORS AND ITS APPLICATIONS TO BIOMETRICS AT A DISTANCE

Ph.D Thesis by Pedro Tome (2013)

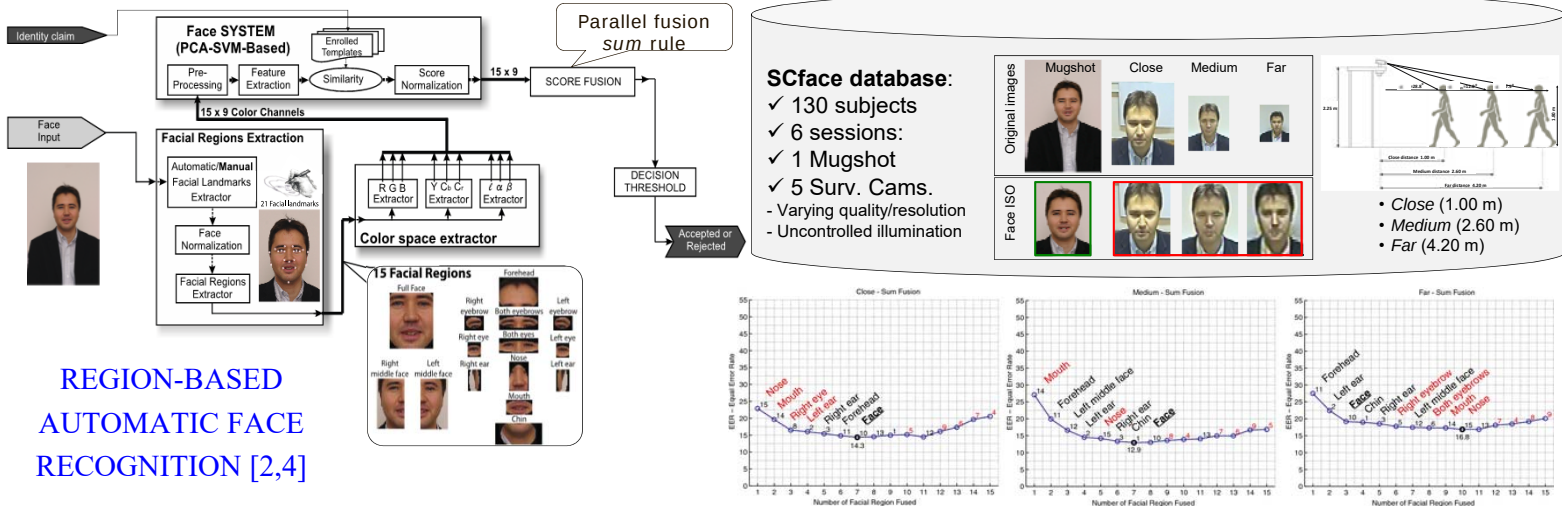
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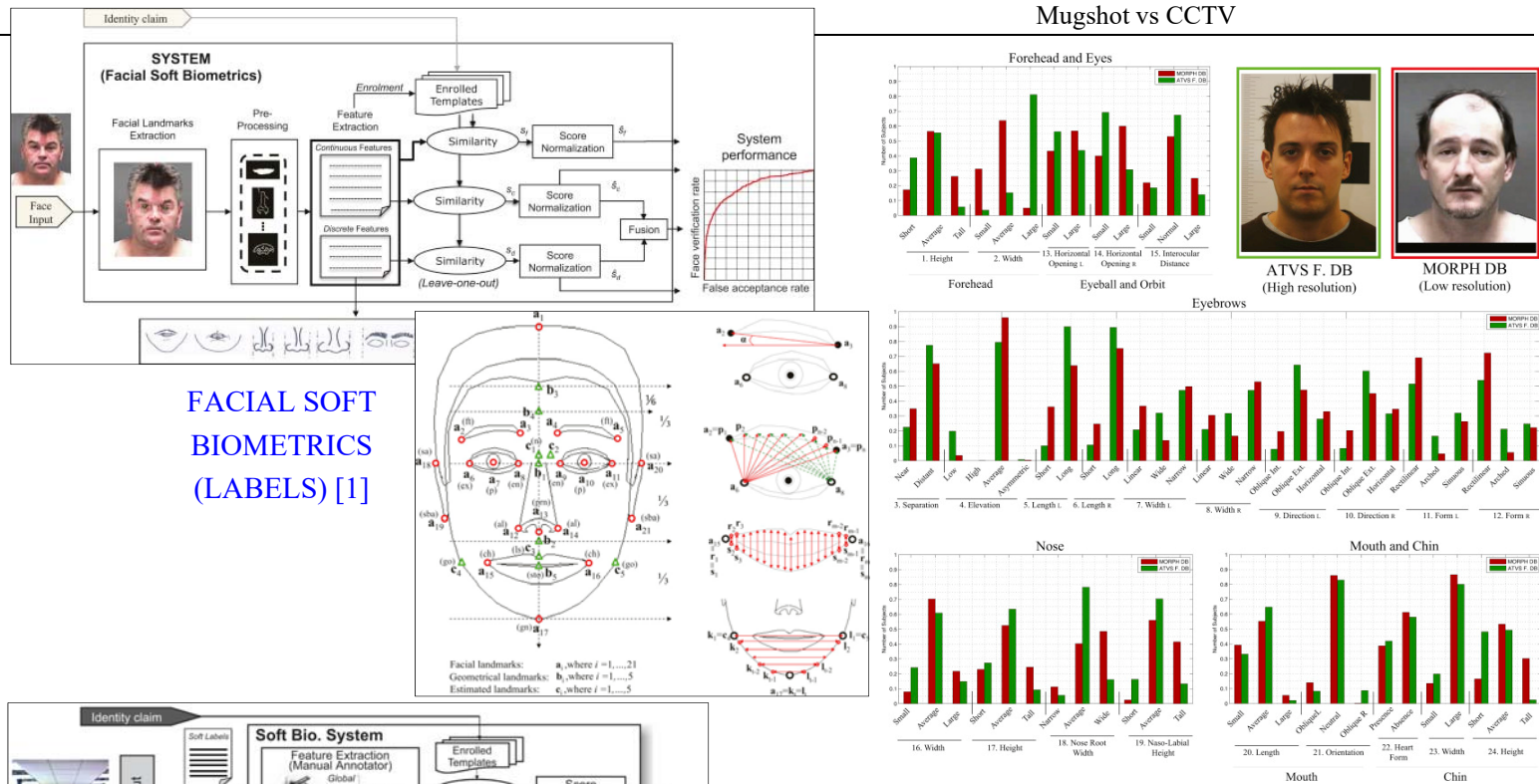


THE THESIS:

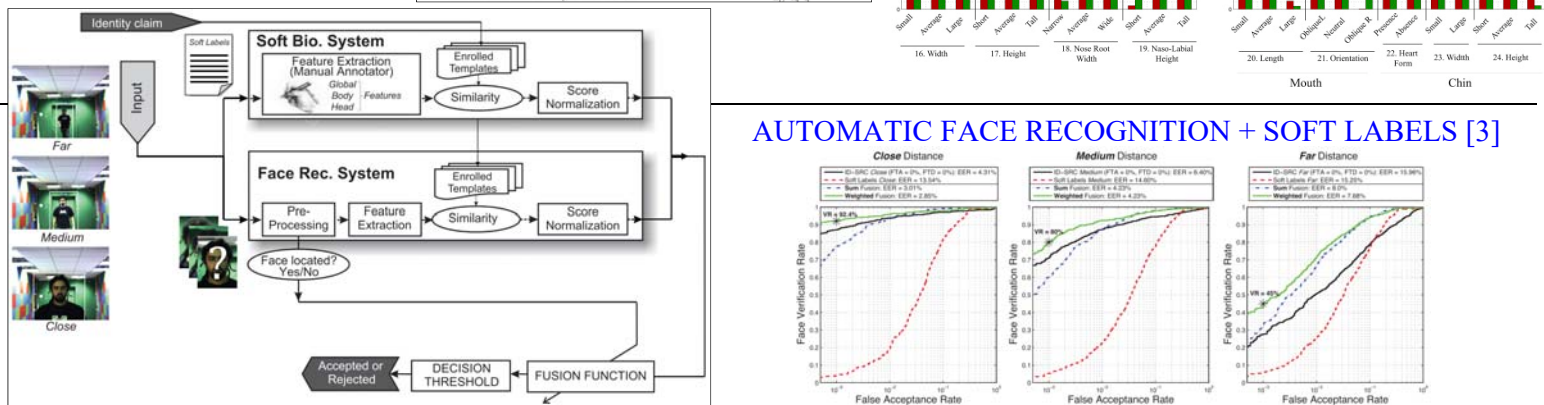
The incorporation of soft biometrics information through adaptive fusion to person recognition systems working at a distance can provide significant benefits in these very challenging scenarios. In particular, the variability factors found in practical biometrics applications working on the move or at a distance can be compensated to some extent exploiting this idea.



REGION-BASED AUTOMATIC FACE RECOGNITION [2,4]



FACIAL SOFT BIOMETRICS (LABELS) [1]



AUTOMATIC FACE RECOGNITION + SOFT LABELS [3]

Key publications:

- [1] Pedro Tome, Ruben Vera-Rodriguez, Julian Fierrez, Javier Ortega-Garcia, "Facial soft biometric features for forensic face recognition", *Forensic Science International*, December 2015.
- [2] Pedro Tome, Julian Fierrez, Ruben Vera-Rodriguez, Javier Ortega-Garcia, "Combination of Face Regions in Forensic Scenarios", *Journal of Forensic Sciences*, July 2015.
- [3] Pedro Tome, Julian Fierrez, Ruben Vera, Mark Nixon, "Soft biometrics and their application in person recognition at a distance", *IEEE Trans. on Information Forensics and Sec.*, March 2014.
- [4] Pedro Tome, Julian Fierrez, Ruben Vera-Rodriguez, Daniel Ramos, "Identification using face regions: Application and assessment in forensic scenarios", *Forensic Science Intl.*, Dec. 2013.