



International Journal on Recent Researches In Science, Engineering & Technology

A Journal Established in early 2000 and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. It is an absolutely free (No processing charge No publishing charge etc) Journal Indexed in DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

**Chief Editor : 1. Dr. M.Narayana Rao, Rtd. Professor, NIT, Trichy.
(Engg.&Technology division)**

**2. Dr. N.Sandhyarani, Ph.D., Professor,
Chennai based Engg.College, (Science division)**

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

**Volume 1, Issue 12,
Dec. 2013**

DIIF IF :1.46

SJIF IF: 1.329

An Annealed Neural Network for Reliable Face Detection

Sung H . Yoon

Abstract - This paper presents an annealed neural network based method for face detection. We present a robust algorithm that improves face detection and tracking in video sequences by using geometrical facial information and an annealed neural network verification. A new method, a Three Face Reference Model (TFRM), and its advantages such as allowing for better match for face verification, will be discussed in this paper.