SDSU
presents a thesis defense for
Master of Science degree in
Computer Science

Monday, December 15, 2014
2:00pm, GMCS 405

Harjinder Singh

Car Registration License Plate Detection and Recognition System

Abstract

Over the last decade, the number of vehicles is growing day by day. This increases the problems for traffic police such as red light violations, parking problems, wrong lane violations and toll booth violations. This research will be helpful for traffic police to control these traffic violations. Moreover, it will also be helpful for the other character recognition applications.

I propose to do research on car registration license recognition. This research will be able to recognize alphanumeric characters in a given image. The final output will be stored in a text file. This file will have complete information such as image path, date and time of the generated file, total number of characters and extracted characters.

This technology will be fast, cost effective and highly accurate. In this research I will try various recognition algorithms and fuzzy logics in MATLAB and find best one to process the recognition of each character.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
William Root, Department of Computer Science
Mahasweta Sarkar, Department of Electrical Engineering