

# UNIVERSITY OF SOUTH FLORIDA

## *Defense of a Master's Thesis*

*Pedestrian detection in low quality moving camera videos*

by

*Saurabh Hinduja*

*For the MSCS degree in Computer Science & Engineering*

*Pedestrian detection is one of the most researched areas in computer vision, rapidly gaining importance with the emergence of autonomous vehicles & steering assistance technology. A lot of work has been done in this field ranging from collection of extensive datasets and benchmarking of new technologies, but all the research depends on high quality hardware (such as high resolution cameras, LIDAR and radars). For detection in low quality moving camera videos we use image deblurring techniques to reconstruct image frames and use existing pedestrian detection algorithms and compare our results with the leading research done in this area.*

September 23 2016

9:30 am

ENB 313

THE PUBLIC IS INVITED

### Examining Committee

Dr. Rangachar Kasturi Ph.D., Major Professor

Dr. Pei-Sung Lin, Ph.D.

Dr. Srinivas Katkoori, Ph.D.

*Robert Bishop, Ph.D.*  
*Dean, College of Engineering*

*Dwayne Smith, Ph.D.*  
*Dean, Office of Graduate Studies*

### Disability Accommodations:

*If you require a reasonable accommodation to participate, please contact the Office of Diversity & Equal Opportunity at 813-974-4373 at least five (5) working days prior to the event.*