



PROJECT POSTER PRESENTATION

Crowd Behavior Analysis for Enhanced Event Safety and Management

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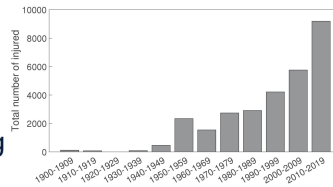
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INTRODUCTION

Crowd management and safety at large-scale events poses significant challenges due to the potential for unexpected incidents, overcrowding and the resulting risks of accidents and stampedes.



(c) People injured by decade

RESULTS

OBJECTIVES

1. Density of Crowd:

Measuring the number of people in a given area

2. Anomaly detection:

a) Identify Fast Moving objects:

Detecting objects that are moving at an faster than the rest of the crowd

b) Identify Detect People in a Different Direction:

Identifying individuals who are moving in a direction that is different from the crowd

METHODOLOGY

1. CNN MODEL

Input image

Segmented image

VGG16

Dilation Layers

ASPP

2. a) Optical Flow

CONCLUSION