Abstract

The primary goal of this paper propose an algorithm for automatic detection of abnormal events in video surveillance scenarios. We specifically focus our attention on the event of object dropping in public places such as railway stations and airports etc. We look into how to distinguish events in surveillance video, and further what is a remarkable event. Analyzing surveillance data, without the knowledge of when and where or even if an interesting event has occurred which often takes place, is very time consuming labour. In this kind of analysis we are interested in extraordinary events, something that deviates from the normal.

References

- J. Li, S. Gong, T. Xiang, "Global behaviour inference using probabilistic latent
Anomaly Detection in Surveillance Video using Color Modeling

- Ioannis Tziakos and Andrea Cavallaro, "Local Abnormality Detection in Video Using Subspace Learning", 2010 IEEE DOI 10. 1109/AVSS. 2010. 70
- Wei Wang, Peng Zhang, Runsheng Wang, "Abnormal Video Sections Detection Based on Inter- Frames Information", IEEE DOI 10. 1109/MUE. 2009. 93.
- Ernesto L. Andrade, Scott Blunsden2 and Robert B. Fisher, "Modeling Crowd Scenes for Event Detection", (ICPR’06), 0-7695-2521-0/06,IEEE.
- Welch, G. and Bishop, G. 1995 An Introduction to the Kalman Filter. Technical Report. UMI Order Number: TR95-041, University of North Carolina at Chapel Hill

Index Terms

Computer Science Multimedia
Keywords
Abnormal Events  Surveillance Videos  Object Tracking  Feature-Extraction And Feature-Analysis