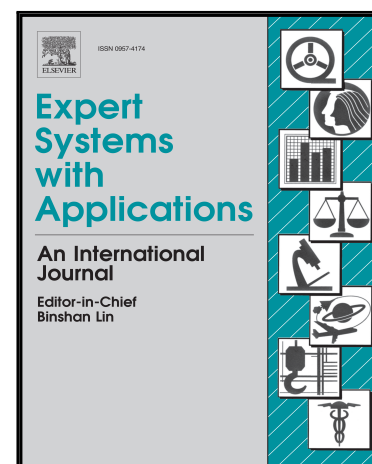


Accepted Manuscript

Queuing Theory Guided Intelligent Traffic Scheduling through Video Analysis using Dirichlet Process Mixture Model

Santhosh Kelathodi Kumaran, Debi Prosad Dogra,
Partha Pratim Roy

PII: S0957-4174(18)30642-0
DOI: <https://doi.org/10.1016/j.eswa.2018.09.057>
Reference: ESWA 12247



To appear in: *Expert Systems With Applications*

Received date: 9 March 2018
Revised date: 13 July 2018
Accepted date: 30 September 2018

Please cite this article as: Santhosh Kelathodi Kumaran, Debi Prosad Dogra, Partha Pratim Roy, Queuing Theory Guided Intelligent Traffic Scheduling through Video Analysis using Dirichlet Process Mixture Model, *Expert Systems With Applications* (2018), doi: <https://doi.org/10.1016/j.eswa.2018.09.057>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Dirichlet Process Mixture Model guided unsupervised learning of temporal clusters
- Representation of moving objects in the form of temporal clusters
- Queuing theory guided unidirectional traffic flow modeling using temporal clusters
- Automatic prediction of traffic signal duration in a unidirectional flow
- Comparison with state-of-the-art tracking based features

Download English Version:

<https://daneshyari.com/en/article/11263014>

Download Persian Version:

<https://daneshyari.com/article/11263014>

[Daneshyari.com](https://daneshyari.com)