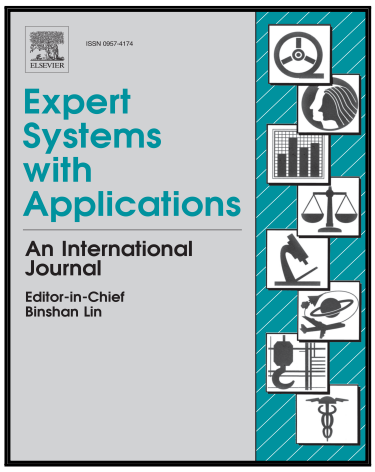
Accepted Manuscript



A Segmental HMM based Trajectory Classification using Genetic Algorithm

Rajkumar Saini, Partha Pratim Roy, Debi Prosad Dogra

PII: S0957-4174(17)30695-4
DOI: 10.1016/j.eswa.2017.10.021
Reference: ESWA 11604

To appear in: *Expert Systems With Applications*

Received date: 30 June 2017
Revised date: 1 September 2017
Accepted date: 8 October 2017

Please cite this article as: Rajkumar Saini, Partha Pratim Roy, Debi Prosad Dogra, A Segmental HMM based Trajectory Classification using Genetic Algorithm, *Expert Systems With Applications* (2017), doi: 10.1016/j.eswa.2017.10.021

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.

ACCEPTED MANUSCRIPT

Highlights

- An improved multi-kernel using Convex Hull and Douglas Peucker algorithm is proposed.
- Classification is done with a two-stage HMM method using Global and Segmental HMM.
- The combination of two-stage HMM classification is done using a Genetic algorithm.
- Experiments have been performed using two public datasets.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4942906

Download Persian Version:

https://daneshyari.com/article/4942906

Daneshyari.com