

Accepted Manuscript

Reactive model for autonomous vehicles formation following a mobile reference

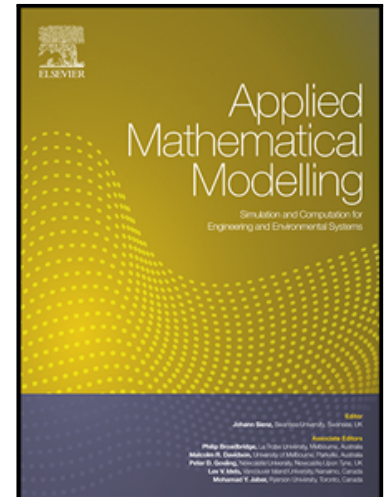
Vander L.S. Freitas, Fabiano Luis de Sousa, Elbert E.N. Macau

PII: S0307-904X(18)30183-5
DOI: [10.1016/j.apm.2018.04.011](https://doi.org/10.1016/j.apm.2018.04.011)
Reference: APM 12250

To appear in: *Applied Mathematical Modelling*

Received date: 12 July 2017
Revised date: 29 March 2018
Accepted date: 18 April 2018

Please cite this article as: Vander L.S. Freitas, Fabiano Luis de Sousa, Elbert E.N. Macau, Reactive model for autonomous vehicles formation following a mobile reference, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.04.011](https://doi.org/10.1016/j.apm.2018.04.011)



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

- The design of a reactive model for multiple mobile agents that leads the group to a formation.
- The introduction of the so-called virtual agent, whose role is to guide the group.
- Parameter estimation for a set of desired group objectives, using Evolutionary Optimization algorithms.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8051198>

Download Persian Version:

<https://daneshyari.com/article/8051198>

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