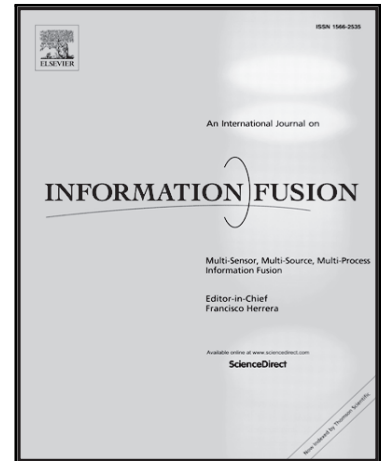


## Accepted Manuscript

A new approach to map-assisted Bayesian tracking filtering

Jaime López-Araquistain, Ángel J. Jarama, Juan A. Besada,  
Gonzalo de Miguel, José R. Casar

PII: S1566-2535(17)30093-3  
DOI: [10.1016/j.inffus.2018.01.002](https://doi.org/10.1016/j.inffus.2018.01.002)  
Reference: INFFUS 942



To appear in: *Information Fusion*

Received date: 10 February 2017  
Revised date: 19 August 2017  
Accepted date: 5 January 2018

Please cite this article as: Jaime López-Araquistain, Ángel J. Jarama, Juan A. Besada, Gonzalo de Miguel, José R. Casar, A new approach to map-assisted Bayesian tracking filtering, *Information Fusion* (2018), doi: [10.1016/j.inffus.2018.01.002](https://doi.org/10.1016/j.inffus.2018.01.002)

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**

- A multisensor filter designed to track targets following a road network is proposed.
- The filter uses a road map composed of straight, circular or generic spline segments
- The filter relies on opening multiple hypotheses at junctions.
- The tracker separates longitudinal movement from transversal.
- The tracker performance is compared with different approaches in the literature.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6937877>

Download Persian Version:

<https://daneshyari.com/article/6937877>

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