## **Accepted Manuscript**

A new method for identification of fuzzy models with controllability constraints

Leonel Gutiérrez, Diego Muñoz-Carpintero, Felipe Valencia, Doris Sáez

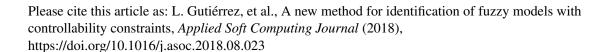
PII: S1568-4946(18)30483-6

DOI: https://doi.org/10.1016/j.asoc.2018.08.023

Reference: ASOC 5054

To appear in: Applied Soft Computing Journal

Received date: 1 December 2017 Revised date: 4 July 2018 Accepted date: 20 August 2018



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

- Fuzzy identification method that heuristically imposes controllability is proposed.
- Controllability criterion used when identifying T&S consequence parameters.
- Criterion based on Sylvester matrix and fuzzy model linearization.
- Simulations show improved performance of MPC with models obtained with new method.

#### Download English Version:

# https://daneshyari.com/en/article/10139463

Download Persian Version:

https://daneshyari.com/article/10139463

<u>Daneshyari.com</u>