Accepted Manuscript

Adaptive dynamic programming for security of networked control systems with actuator saturation

Hongjiu Yang, Ying Li, Zhixin Liu, Huanhuan Yuan

 PII:
 S0020-0255(16)31346-9

 DOI:
 10.1016/j.ins.2018.05.039

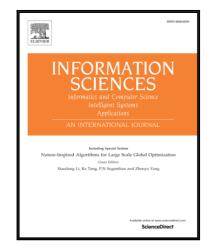
 Reference:
 INS 13674

To appear in: Information Sciences

Received date:	19 October 2016
Revised date:	25 November 2017
Accepted date:	15 May 2018

Please cite this article as: Hongjiu Yang, Ying Li, Zhixin Liu, Huanhuan Yuan, Adaptive dynamic programming for security of networked control systems with actuator saturation, *Information Sciences* (2018), doi: 10.1016/j.ins.2018.05.039

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.



1

HIGHLIGHTS

- A NCS with actuator saturation is considered under DoS attacks.
- An iterative ADP algorithm is used to design a networked controller.
- BP neural networks are used to realize the iterative ADP algorithm.
- The best delivery package rate is obtained by game theory.
- Convergence of the iterative ADP algorithm is also obtained.

Download English Version:

https://daneshyari.com/en/article/6856249

Download Persian Version:

https://daneshyari.com/article/6856249

Daneshyari.com