

## عنوان مقاله:

Decentralized Adaptive Control of Large-Scale Non-affine Nonlinear Time-Delay Systems Using Neural Networks

## محل انتشار:

فصلنامه مهندسی برق و الکترونیک ایران, دوره 14, شماره 4 (سال: 1396)

تعداد صفحات اصل مقاله: 8

## نویسندگان:

Bahram Karimi - Associate professor of Department of Electrical Engineering, Malek-ashtar University of Technology, Isfahan, Iran

Mohammad Esmaeil Sadeghi - M. Sc. student of Department of Electrical Engineering, Islamic Azad University of Najafabad, Isfahan, Iran

## خلاصه مقاله:

In this paper, a decentralized adaptive neural controller is proposed for a class of large-scale nonlinear systems with unknown nonlinear, non-affine subsystems and unknown nonlinear time-delay interconnections. The stability of the closed loop system is guaranteed through Lyapunov-Krasovskii stability analysis. Simulation results are provided to show the effectiveness of the proposed approaches.

## کلمات کلیدی:

Adaptive decentralized control, neural networks, non-affine nonlinear large-scale systems, time-delay systems

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/720535>

