

## عنوان مقاله:

Optimized Scheduling and Load Balancing for Cost and Energy Consumption Minimization in Cloud Computing Networks based on Fuzzy-PSO

## محل انتشار:

اولین کنفرانس مکانیک، مهندسی برق و کامپیوتر (سال: 1399)

تعداد صفحات اصل مقاله: 12

## نویسندگان:

Alireza Fayaz Mojtahedi - *Department of Computer Engineering, Science and Research Branch, Islamic Azad University, Tehran, Iran*

Hossein Shirazi - *Faculty of Electrical and Computer Engineering Malek Ashtar University of Technology, Tehran, Iran*

## خلاصه مقاله:

Cloud computing is a model by which users will be able to access configurable shared resources such as network, processing power, applications and storage. These resources can be quickly acquired and released with minimal management effort or the need to interact with the service provider. The sudden increase in the number of users and their need for internet services has led Supplier Companies to Facing problems such as inability to respond quickly to users and increase costs. Due to the dynamic characteristics of the cloud computing environment and its heterogeneity, scheduling tasks in cloud computing is a very important issue. Providing a proper scheduling approach can lead to increased resource efficiency in the cloud by reducing response time and costs. The research approach seeks to provide a new method for resource scheduling based on the Fuzzy-PSO method. Due to the uncertainty in the timing of cloud networks, fuzzy logic needs to be used. The PSO algorithm is also used to improve speed and .load-based scheduling due to its high convergence

## کلمات کلیدی:

Cloud Computing, Resource Scheduling, Load Balance, Fuzzy Logic

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1025797>

