



A Scientific and Technical Publishing



• Home • Login • My Cart • Reviewers Only • FAQ • Contact •

## A New Robust Centralized DMX Algorithm

M. Challenger, V. Khalilpour, P. Bayat, and M.R. Meibodi (Iran)

### Keywords

Distributed System, Mutual Exclusion, Fault Tolerance, Centralized Algorithm

### Abstract

In a distributed system, process synchronization is an important agenda. One of the main issues for process synchronization is mutual exclusion. This paper presents a new centralized fault tolerant distributed mutual exclusion algorithm based on Agrawala and El-Abbadi's a new algorithm, once coordinator crashes, algorithm can recover lost data and centralize coordinator in earlier situation. Thus fault tolerance will ascend and centralize algorithm "no single point of failure" will be omitted. So based algorithm will be more reliable. The only disadvantage of this algorithm is consuming some inappreciable time in case of coordinator's crash.

Publication Search:



[advanced search](#)

[Publishing Services](#)

### View: References

*From Proceeding (551) Parallel and Distributed Computing and Networks - 2007*

[Go Back](#)



[Privacy & Legal](#)   [Sitemap](#)   [Copyright © 2007 /](#)