Turkish Journal

of

Electrical Engineering & Computer Sciences

Keywords
Authors

elektrik@tubitak.gov.tr

Scientific Journals Home Page

Turkish Journal of Electrical Engineering & Computer Sciences

An Efficient Middleware Architecture Supporting Real-Time Distributed Object Programming

Erhan SARIDOĞAN
Turkish Navy, Software Development Center
Arastırma Merkezi Komutanlığı
81504, Pendik, İstanbul-TURKEY
e-mail: esaridogan@yahoo.com
Nadia ERDOĞAN
Computer Engineering Department
Electrical-Electronics Engineering Faculty
İstanbul Technical University
80686, Ayazaga, İstanbul-TURKEY
e-mail: erdogan@cs.itu.edu.tr

Abstract: With the increasing demand for distributed real-time systems, the need for programming tools and execution platforms useful in development of such application systems is widely recognized. This paper presents CORD-RTS, an efficient middleware architecture that provides support for real-time distributed object programming. The communication infrastructure and various components of the middleware, which support several modes of interactions among distributed real-time objects, along with its real-time features and services, are discussed in detail.

Key Words: real-time, middleware, distributed object programming, object interactions

Turk. J. Elec. Eng. & Comp. Sci., **10**, (2002), 23-40.
Full text: pdf
Other articles published in the same issue: Turk. J. Elec. Eng. & Comp. Sci.,vol.10,iss.1.