

ABOUT BROWSE FAVORITES ALERT ORDERS

LOG OFF

> Home / Publication / Volume /

Chapter



Lecture Notes in Computer Science

Publisher: Springer-Verlag Heidelberg

ISSN: 0302-9743

Subject: Computer Science

Volume 2949 / 2004

Title: Coordination Models and Languages: 6th International Conference, COORDINATION 2004 Pisa Italy, February 24-27, 2004 Proceedings

ISBN: 3-540-21044-X

DOI: 10.1007/b95570

Chapter: pp. 294 - 306

Online Date: May 2004

[Previous article](#)

[Next article](#)

Linking Options

You are not logged in

The full text of this article is available only to subscribers. You or your institution may be subscribed to this publication.

If you are not subscribed, your institution's publisher offers secure subscription sales from this page.

Please select 'Continue with my institution' options for obtaining this article.

Social Control Mechanisms to Coordinate an Unreliable Agent Society

Hamid Haidarian Shahri¹ and M. Reza Meybodi¹

(1) Faculty of Computer Engineering and Information Technology, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran,

Abstract

In multiagent systems a common problem is how to assign tasks to other agents. It is very desirable to be able to guarantee the error rate of a solution in a multiagent system's society. In this paper, a novel approach for this problem has been introduced by devising social control mechanisms, analyzing their mathematical models and simulating and comparing them. It is also shown that the open multiagent society is modeled and coordinated in this way and is able to achieve any desired and predetermined threshold of correctness for the final solution, regardless of the performance of selfish and unreliable agents in the society or any stipulation about their honesty. This is extremely critical and problematic in the design of coordinated multiagent societies, today.

The references of this article are secured to subscribers.

For assistance inside the Americas: springerlink@springer-ny.com, For assistance outside the Americas: springerlink@springer.de

Springer-Verlag Heidelberg | Tiergartenstr. 17 | D-69121 Heidelberg | Germany | [Privacy](#), [Disclaimer](#), [Terms](#), [Copyright Information](#)

Remote Address: 217.219.237.38 • Server: MPWEB05
HTTP User Agent: Mozilla/4.71 [en] (WinNT; i)