

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X



IJCSMC, Vol. 2, Issue. 11, November 2013, pg.30 – 45

RESEARCH ARTICLE

MULTI - CHANNEL ALLOCATION AND FAIR-PRIORITY MAC DESIGN FOR WIRELESS SENSOR NETWORKS

¹ K. Ranjith Singh, ² S. Ranjani

^{1,2}Department of Computer Science, Periyar University, TamilNadu, India

¹ kranjithsingh@yahoo.com, ² ranjanibsm@gmail.com

Abstract- A wireless sensor network (WSN) consists of a number of Autonomous and inexpensive sensor nodes. Each of them is composed of sensors, a low-power radio transceiver, small amount of memory and processing capability as well as limited battery power supply. The WSN should consist of hundreds or thousands of such tiny devices deployed in adhoc manner, which are able to sense the environment, compute simple task and communicate with each other in order to achieve common objective, like environmental monitoring, target tracking, detecting hazardous chemicals and forest fires, monitoring seismic activity, military surveillance.

Full Text: <http://www.ijcsmc.com/docs/papers/November2013/V2I11201315.pdf>