



International Journal on Recent Researches In Science, Engineering & Technology

(Division of Computer Science and Engineering)

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy.

It is an absolutely free (No processing charges, No publishing charges etc) Journal Indexed in JIR, DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

Chief Editor : Dr. M.Narayana Rao, Ph.D., Rtd. Professor, NIT, Trichy.

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

**Volume 3, Issue 4,
April 2015.**

JIR IF : 2.54

DIIF IF : 1.46

SJIF IF : 1.329

Energy Balanced Clustering Method Using Data Threshold And Spatial Correlation Degree For Data Aggregation In WSN

P.UMAMAHESWARARAO,

M.TECH, Department of computer science & engineering, SRM UNIVERSITY.

Mrs.K.R.Jansi

Assistant Professor, Department of computer science & engineering, SRM UNIVERSITY.

Abstract : Sensor networks are collection of sensor nodes which send the sensed data to base station. But sensor nodes are battery driven, an efficient utilization of power is essential in order to use networks for long duration hence it is needed to reduce data traffic inside sensor networks, reduce amount of data that need to send to base station .For this reason so many aggregation models are implemented .In spatial correlation model the sensor nodes data are not appropriate for measuring the correlation in complex environment. To solve this problem data density correlation degree (DDCD) clustering method was implemented. But DDCD clustering method is more energy efficient and the data threshold has major effect in clustering performance. To solve these problems we implemented Energy balanced clustering method using data threshold and spatial correlation degree for data aggregation.