

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X

IJCSMC, Vol. 3, Issue. 2, February 2014, pg.898 – 903

RESEARCH ARTICLE



A Rendezvous Based Sensory Data Collection with Re-clustering Technique

D.Gokilapriya¹, N.Lokesh²

¹Associate Professor, Electrical and Electronics Engineering & SNS College of Engineering, Coimbatore

²PG Scholar, Electrical and Electronics Engineering & SNS College of Engineering, Coimbatore

¹priyaduraiswamy@gmail.com, ²gallantzlokesh@gmail.com

Abstract – A Wireless Sensor Network applications include a set of isolated urban areas deployed with sensor nodes for monitoring environmental parameters. In urban area vehicles viz (buses, vans, cars, etc) are used as to carry the mobile sinks to collect the sensory data effectively which provides the ideal infrastructure. Existing approach include only single hop transfer, which transfer data directly from sensor nodes (SNs) to Mobile sinks(Ms).Main drawback of this approach is energy exhaustion that leads to decreased network lifetime. Our proposed system is to reduce the overall network overhead and minimizing the energy exhaustion by using multihop technique. It gives balanced energy consumption network lifetime during data retrieval process.

Index terms: WSN, Routing, Network overhead, Energy consumption, Multihop, Data retrieval, cluster head re-election, mobile sink

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201493.pdf>