



DISH-Distributed Information Sharing System for Energy Efficiency in MANETs

C.MARUTHI¹, S.DILIP KUMAR²

¹PG Student, ²Assistant Professor , Department of Computer Science and Engineering,

PRIST University, Trichy District, India

¹ maruthi.it@gmail.com

Abstract

This project proposes a cooperative transmission link in wireless networks as a transmitter cluster and a receiver cluster. And then propose a cooperative communication protocol for establishment of these clusters and for cooperative transmission of data. We derive the upper bound of the capacity of the protocol, and we analyze the end-to-end robustness of the protocol to data-packet loss, along with the tradeoff between energy consumption and error rate.

The energy efficient protocol contains two main phases of mode

- Routing phase,
- Recruiting and transmission.

The analysis results are used to compare the energy savings and the end-to-end robustness of our protocol with two non-cooperative schemes, as well as to another cooperative protocol published in the technical literature.

Full Text: www.ijcsma.com/publications/february2014/V2I203.pdf