

Heterogeneous Clustering using Modified Stable Election Protocol (M-SEP) in WSN

Vaishali Bhausaheb Amale
aamalevaishali.va@gmail.com

Rahul Manohar Patil
Rahul.globallink@gmail.com

Abstract - Small networked and inexpensive communicating sensors are rapidly being employed in industrial applications and environmental monitoring, thanks to significant advances in technological development in recent years, particularly in microelectronics and wireless communication technology. However, the utilization of wireless sensor networks in such applications is constrained by sensor limitations such as processing capacity, memory size, and energy consumption. Or the networks own constraints, such as the network's limited capacity, network dynamics caused by topological variation, and the proper communication protocols suited to this type of network. In this paper, we put the Modified-Stable Election Protocol (M-SEP) and the Low-Energy Adaptive Clustering Hierarchy (LEACH) to the test in a variety of scenarios where high level heterogeneity is presented.

Keyword - LEACH, M-SEP, WSN, etc.