

Homework No. 4
Due on Wednesday, 5/2/2007

HOMEWORK

1. "Topology-based routing" is based on information about existing links, while "position based routing" relies on additional information such as "location service". Compare and contrast the applicability and efficiency of position-based routing with all three subdivisions (proactive, reactive, hybrid) of topology based routing.
2. What are the limitations of "dominating set" approach for network-wide broadcast in ad hoc networks? When would this approach be preferred to multipoint relay (MPR) and ad hoc broadcast protocol (AHBP)? Explain your answer.
3. Wireless sensor networks are a specific subset of general ad hoc networking class. List the features that make sensor networks specific and discuss how these features affect the software design and experimentation process for wireless sensor networks.