WSN Project Report

The project consists in estimating transmission parameters like packet loss and delay for a small WSN deployed on a medium sized boat, with the aim of measuring properties of the environment and of the boat engine/control system.

The estimation of said parameters will take place throughout 2 sets of 2 tests each:

* No external (802.11, 2.4 GHz) interference
  + No multihopping (Star topology)
  + Multihopping enable (Zigbee mesh/tree)
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We will measure avg delay and packet loss over 10K packet sent for each test, in different locations throughout the boat, to test different materials as obstacles.

With these, statistical plots will be produced as a result, along with considerations about feasibility, performance and possible improvements