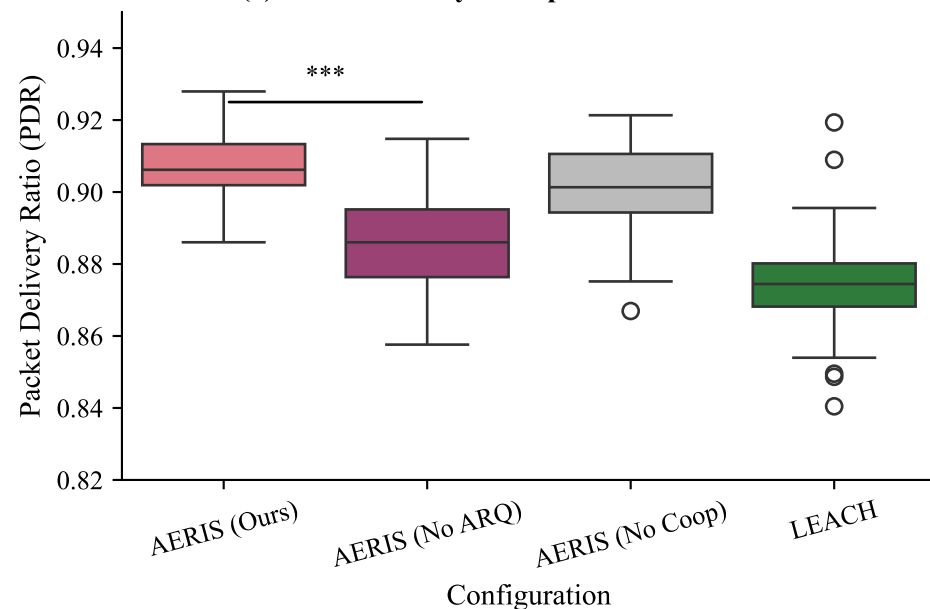
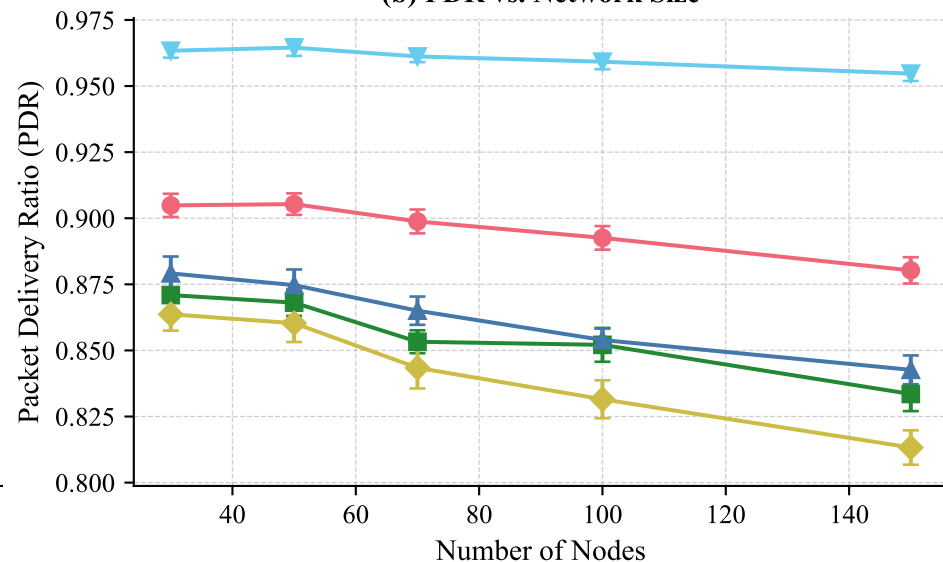


Figure X: Comprehensive AERIS Performance Analysis (n=30 runs per condition)

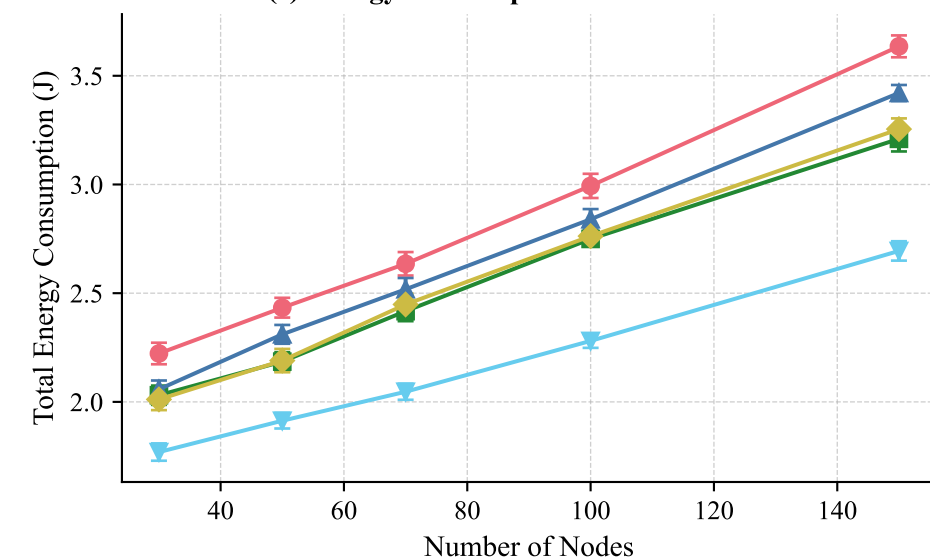
(a) Ablation Study: Component Contributions



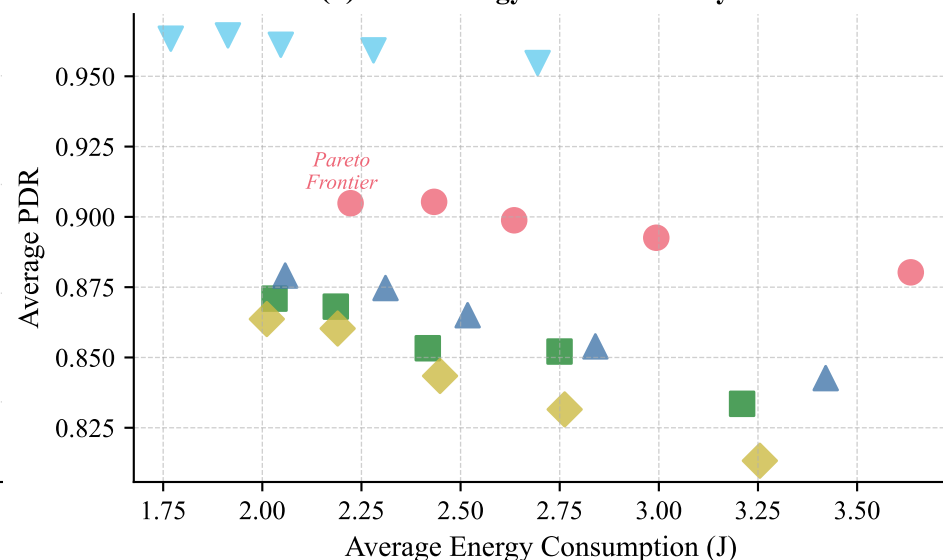
(b) PDR vs. Network Size



(c) Energy Consumption vs. Network Size



(d) PDR-Energy Trade-off Analysis



—●— AERIS (Ours) —■— LEACH —▲— HEED —◆— SEP —▼— PEGASIS