# PROFILING TWO BROADCAST PROTOCOLS FOR TRANSIENTLY POWERED WIRELESS SENSOR NETS 

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## Transiently Powered Sensing

- Transiently powered sensing is an emergent sensing model for WSNs
- Loss of sensor state leads to network inconsistency, protocols may not be able to cope
- We profiled two protocols to see if resilience classes exist for transient power faults


## Our Methodology

- We tested two broadcast protocols using simulations: Trickle and Rime Multihop
- Metric of comparison is 'message coverage' - the message delivery \%
- No failure, random failure, and spatially clustered failures modes used


## Outcomes

- The two protocols have distinct performances in the presence of node failures
- For broadcast these resilience classes do exist


