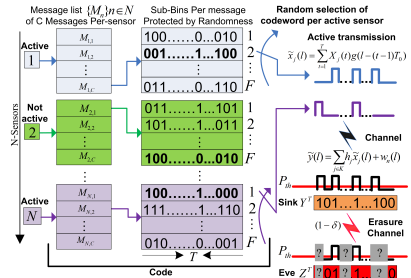
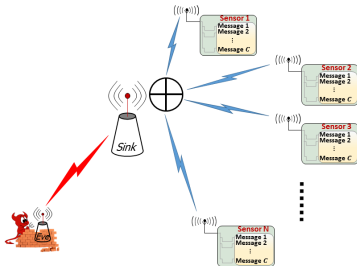


Efficient and Secure Data Aggregation

Cohen-Gurewitz-Scalosub @ BGU

Data is aggregated by a sink, when K sensors, out of a large population of N sensors in the network have a message to transmit over the wireless channel.



- Using the code to right, both the message and the identity of the senders are secured, while the sink simultaneously decodes all messages.
- Highly efficient: order of $\frac{1}{1-\delta} K \log N$ slots.
- Proved analytically and implemented on a testbed!