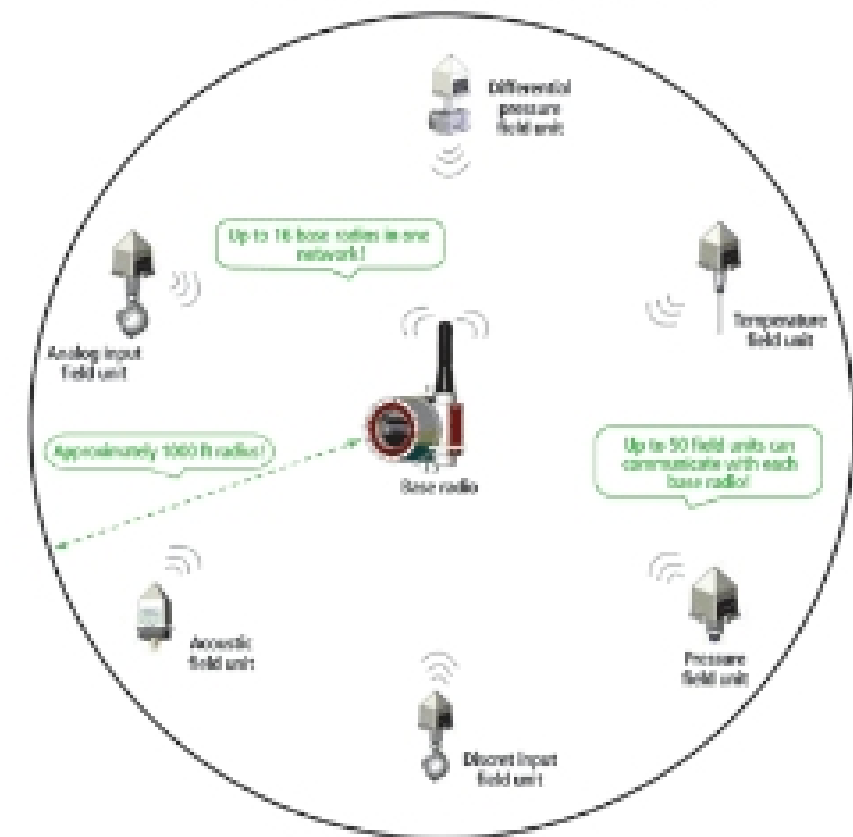


Algorithms for Wireless Sensor Networks

Presenters

- Vaibhav Mittal
- Sumeet Bajaj

Wireless sensor network



Prof. Jie Gao

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Virtual Ring Routing: Network Routing Inspired by DHTs

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Virtual Ring Routing (VRR)

- new network routing protocol implemented directly on top of the link layer
- Provides both traditional point-to-point network routing and DHT routing to the node responsible for a hash table key
- Never floods the network and uses only location independent identifiers to route.
- Nodes organized into a virtual ring ordered by their identifiers
- Each node maintains a small number of routing paths to its neighbors in the ring.
- VRR uses these routing tables to route packets between any pair of nodes in the network